Advertisement for Senior & Junior Developer for Center of Excellence in Digital Forensics (CoEDF) under the Seed Money Scheme Project

Applications are invited from eligible and suitable candidates for the position of Sr. Developer -02 Position and Jr. Developer - 01 Position on a full-time basis under the Seed Money Scheme Project entitled "Various Tool and Technology Developed under CoEDF ", sponsored by National Forensic Sciences University (NFSU), at the NFSU Gandhinagar Campus.

Principal Investigator: Dr. Nilay R. Mistry, Associate Professor School of Cyber Security & Digital Forensics & Head, CoEDF, National Forensic Sciences University, Gandhinagar.

➢ Position Details for Senior Developer

Section	Details
Position Details	**Post:** Senior Developer **Number of Positions:** 02 (Two) **Nature of Position:** Purely Contractual (Project-Based)
Remuneration	₹1,00,000/- per month (Consolidated)
Tenure	24 months *(Extendable based on performance, project requirements, and applicable recruitment rules)*
Educational Qualification	B.Tech / M.Tech / MCA / MSc or equivalent in Computer Science, IT, Artificial Intelligence, or related fields
Experience Qualification	• Candidates must have minimum 3+ years of relevant professional experience in software development, cybersecurity, digital forensics, or related domains • Experience should include work in system-level development, backend/API development, data analysis, or security-related applications • Preference will be given to candidates with hands-on experience in real-world projects involving large-scale data processing, security systems, or analytical platforms

Specialized Requirements	• Linux OS customization and system-level development
	• Strong understanding of file systems and low-level device interaction
	• Experience in malware analysis (static and/or dynamic techniques)
	• Knowledge of API development and integration in secure environments
	• Understanding of Windows internals / core architecture, including:
	  • Process and memory management
	  • Registry and system artifacts
	• Experience in data acquisition, parsing, and analysis from multiple sources (system, network, and application data)

	• Knowledge of network analysis and protocol handling (TCP/IP, HTTP/S, DNS, etc.)
	• Experience in threat detection and analysis, including:
	  • Creation and use of YARA rules
	  • Knowledge of STIX for structured threat intelligence
	• Ability to perform log correlation, anomaly detection, and behavioral analysis
	• Experience with secure data handling, forensic integrity, and evidence management principles
	• Familiarity with cross-platform environments (Windows, Linux, macOS, mobile platforms)
	• Ability to design and work with scalable systems, data pipelines, and analytical tools

Technical Competency (Essential)	The candidate shall possess strong technical expertise in the following areas: **A. Backend Development & Systems Engineering** • Proficiency in Python-based frameworks (Flask / FastAPI / Django) • Proficiency in Java (Android), Swift (iOS), Go, Javascript • Experience in API development, integration, and system architecture design • Hands-on experience with database systems such as SQL/PostgreSQL / MongoDB **B. Linux & System-Level Development** • Strong experience in Linux system programming • Understanding of operating system internals • Kernel-level concepts (preferred) • Experience with custom Linux build environments (Yocto / Buildroot / Ubuntu customization) **C. File System & Device Interaction** • Experience in file system handling (EXT4, FAT, etc.) • Data acquisition and low-level storage interaction • Device-level interfacing (USB, ADB, external devices) **D. Artificial Intelligence & Model Development** • Experience in development, fine-tuning, or deployment of Large Language • Models (LLMs) / Small Language Models (SLMs) • Knowledge of transformer-based architectures and NLP pipelines • Experience with model integration in real-world applications (APIs, pipelines, or tools) **E. Front End Development** • DatCon, CsvView, Leaflet.js, Mapbox GL, Cesium.js, PostGIS, D3.js, Plotly, Deck.gl, NumPy, Pandas, FastAPI/Flask, React/Vue.js, Recharts, PostgreSQL, SDR tools
Preferred Skills (Desirable Qualifications)	Candidates having additional expertise in the following areas shall be given preference: **A. Mobile OS Internals** • Mobile OS internals (Android and iOS file systems, app sandboxing, data storage mechanisms).

	• Network forensics (live packet capture, protocol dissection, traffic pattern analysis). • Anomaly detection and behavioral analysis for suspicious device activity. SSL/TLS inspection, DNS analysis, and C2 detection. • Deleted data recovery and file carving techniques. Systems programming and portable tool development. Embedded systems and hardware interfacing (USB, serial communication). • Evidence handling, chain of custody, and forensic integrity. **B. Advanced Analytics & AI** • AI/ML model integration (anomaly detection, classification) • Experience with LLM/SLM optimization, prompt engineering, or RAG-based systems. **B. Log Analysis & Intelligent Monitoring** • Log correlation across multiple data sources • Anomaly detection from logs using statistical or AI-based techniques • Pattern identification and behavioral analysis in system/network logs • Ability to design and implement automated log analysis pipelines **C. Specialized Domain Knowledge** • Digital Forensics & Cyber Security • Mobile device analysis • Malware analysis and threat investigation • OSINT tools and methodologies
Roles & Responsibilities	• Design, develop, and maintain secure, scalable, and high-performance software systems in cybersecurity and digital analysis domains • Develop and integrate backend services, APIs, and data processing pipelines • Work on Linux and system-level environments, including low-level data handling and device interaction • Implement data acquisition, parsing, analysis, and correlation across multiple sources (system, network, and application data) • Build analytical dashboards and visualization tools for investigation and decision support • Develop and integrate AI/ML models (including LLM/SLM) for anomaly detection and intelligent insights • Ensure forensic integrity, data security, and compliance with relevant standards and policies • Implement logging, monitoring, and automated analysis mechanisms for large-scale data • Develop cross-platform solutions and optimize for performance and portability • Generate automated reports and documentation for analysis and investigation • Collaborate with multidisciplinary teams to ensure timely delivery of project objectives • Perform testing, validation, and security assessment of developed systems
Selection Process	Application Screening → Technical Interview → Final Selection

Terms & Conditions	• Purely contractual position • No claim for permanent employment • NDA mandatory • Subject to institutional policies and recruitment rules
Application Process	Submit Resume, Educational Certificates, and Experience Documents **Email:** coedf@nfsu.ac.in **Application Link :** https://forms.gle/oyuLsvJMnAMdJW6K6 **Last Date:** 02.11.2026 up to 18:00 hrs. **Interview Date :** 04.11.2026
Contact Details	Centre of Excellence (CoE), National Forensic Sciences University, Sector 9, Gandhinagar

➢ **Position Details for Junior Developer**

Section	Details
Position Details	**Post:** Junior Developer **Number of Positions:** 01 (One) **Nature of Position:** Purely Contractual (Project-Based)
Remuneration	₹75,000/- per month (Consolidated)
Tenure	24 months *(Extendable based on performance, project requirements, and applicable recruitment rules)*
Educational Qualification	B.Tech / M.Tech / MCA / MSc or equivalent in Computer Science, IT, Artificial Intelligence, or related fields
Experience Qualification	• Candidates must have minimum 2+ years of relevant professional experience in software development, cybersecurity, digital forensics, or related domains
Specialized Requirements	Experience in Linux OS customization and system-level development Understanding of file systems and device interaction as well as
Technical Competency (Essential)	The candidate shall possess strong technical expertise in the following areas: **A. Backend Development & Systems Engineering** • Experience in Linux-based development using C/C++ and Python-based frameworks (Flask / FastAPI / Django) • Knowledge of socket programming, IPC mechanisms, or low-level system interaction • Familiarity with debugging and performance analysis tools • Experience in API development, integration, and system architecture design • Hands-on experience with database systems such as PostgreSQL / MongoDB **B. Linux & System-Level Development** • Strong experience in Linux system programming • Understanding of operating system internals

	• Kernel-level concepts (preferred) • Experience with custom Linux build environments (Yocto / Buildroot / Ubuntu customization) **C. File System & Device Interaction** • Experience in file system handling (EXT4, FAT, etc.) • Data acquisition and low-level storage interaction • Device-level interfacing (USB, ADB, external devices) **D. Artificial Intelligence & Model Development** • Experience in development, fine-tuning, or deployment of Large Language • Models (LLMs) / Small Language Models (SLMs) • Knowledge of transformer-based architectures and NLP pipelines • Experience with model integration in real-world applications (APIs, pipelines, or tools)
Preferred Skills (Desirable Qualifications)	Candidates having additional expertise in the following areas shall be given preference: **A. Advanced Analytics & AI** • AI/ML model integration (anomaly detection, classification) • Experience with LLM/SLM optimization, prompt engineering, or RAG-based systems. **B. Log Analysis & Intelligent Monitoring** • Log correlation across multiple data sources • Anomaly detection from logs using statistical or AI-based techniques • Pattern identification and behavioral analysis in system/network logs • Ability to design and implement automated log analysis pipelines **C. Specialized Domain Knowledge** • Digital Forensics & Cyber Security • Mobile device analysis • Malware analysis and threat investigation • OSINT tools and methodologies
Roles & Responsibilities	Develop secure and scalable systems Work on Linux-based environments Build APIs and data pipelines Implement logging and monitoring mechanisms
Selection Process	Application Screening → Technical Assessment → Technical Interview → Final Selection
Terms & Conditions	• Purely contractual position • No claim for permanent employment • NDA mandatory • Subject to institutional policies and recruitment rules
Application Process	Submit Resume, Educational Certificates, and Experience Documents **Email:** coedf@nfsu.ac.in **Application Link :** https://forms.gle/oyuLsvJMnAMdJW6K6 **Last Date:** 02.11.2026 up to 18:00 hrs. **Interview Date :** 04.11.2026
Contact Details	Centre of Excellence (CoE), National Forensic Sciences University, Sector 9, Gandhinagar

Attention :

1. The number of positions may vary as per requirements.

2. The prescribed qualifications and/or experience shall be the minimum, and the mere fact that a candidate possesses the same shall not entitle him/her for interview. National Forensic Sciences University shall have the right to restrict the number of candidates to be interviewed to a reasonable level based on better or higher qualifications and experience than the minimum prescribed.
3. The contractual appointment shall end on the stipulated date of expiry of contract in appointment letter. Selected candidates shall have no right to renewal, extension of conversation into permanent employment.
4. In case of any dispute/ ambiguity that may occur in the process of selection, the decision of the National Forensic Science University shall be final and binding.
5. The applicant will be responsible for the authenticity of information, other documents and photograph submitted.
6. Mere possessing the prescribed qualification does not ensure that the candidate would be selected. The candidates will be selected on the basis of academic qualification and interview.
7. The candidate must provide valid e-mail IDs and permeant Mobile number in the application.
8. Applicants in employment (private, government, or any other organization) are required to submit a No Objection Certificate (NOC) from the employer at the time of the interview.
9. No TA/DA will be paid for appearing in the interview.
10. The contractual appointment shall be governed by the rules, regulations and /or decision of National Forensic Science University.
11. For any details please contact through email ID: coedf@nfsu.ac.in
12. **Last Date for Application: 02.11.2026 up to 18:00 hrs , Interview Date : 04.11.2026**

This issues with the approval of the Competent Authority.

Dr. Nilay Mistry
Project Head, CoEDF, NFSU, Gandhinagar