AMIT YADAV

Kanpur, Uttar Pradesh, 209305 | Mobile:+91-9598625239 | Email: amityadavv@outlook.in
Linkedin: linkedin.com/in/amityadavv |GitHub: github.com/theamityadavv | Portfolio :theamityadavv.github.io/portfolio

CAREER OBJECTIVE

Enthusiastic Computer Science student with strong foundations in Data Structures, Algorithms, and Object-Oriented Programming. Skilled in building scalable web applications using React.js, Node.js, and Python. Passionate about problem-solving and developing efficient software solutions, with hands-on experience in real-time AI-based applications. Eager to contribute as a Software Developer Trainee.

EDUCATION

B.Tech – Computer Science & Engineering ; Percentage: 71.91%
Pranveer Singh Institute Of Technology
Relevant Coursework: Data Structures, Algorithms, DBMS, Operating Systems

Kanpur, Uttar Pradesh, India
Oct 2023 - Present

TECHNICAL SKILLS

Programming Languages:	Python, C++, Java(Basic)
Web Development:	React.js, Node.js, HTML, CSS, Tailwind CSS
Tools & Technologies:	Git, GitHub, REST APIs
Databases:	MySQL
AI/ML:	Machine Learning Basics, Data Preprocessing
Soft Skills:	Problem-solving, Team collaboration, Communication

Experience (Internship)

Artificial Intelligence Intern — Infosys Springboard (Remote)

- Worked on data preprocessing and machine learning model development.
- Improved data quality and workflow accuracy through structured data cleaning techniques.
- Developed reusable scripts, reducing debugging and revision time.
- Collaborated with team members using version control, improving code efficiency and clarity.

PROJECTS

SentinelNet— AI-Powered Network IntrusionDetection System(NIDS) Aug 2025 - Oct 2025

Tech: Python, scikit-learn, Pandas, NumPy, Matplotlib, NSL-KDD, CICIDS2017

- Built SentinelNet, an AI-based Network Intrusion Detection System (NIDS) for real-time traffic analysis and threat detection.
- Trained and evaluated machine learning models (Random Forest/SVM) on NSL-KDD dataset to identify cyber attacks with improved accuracy.
- Applied data preprocessing and feature selection techniques to optimize model performance and reduce false positives.
- Designed an automated alert mechanism to detect and report suspicious activities, strengthening system security.

BudgetAI — Conversational Budget Manager (Hackfest 2025 – Top 21) 14 Nov 2025 - 15 Nov 2025

Tech: React.js, Tailwind CSS, Agora AI SDK, JavaScript

- Developed a conversational AI-based budget management system using React.js, Tailwind CSS, and Agora AI SDK.
- Implemented real-time voice-based expense tracking, reducing manual input effort by 95%.
- Designed intelligent parsers to extract transaction details from voice input.
- Secured Top-21 rank at Hackfest 2025 among multiple teams.

AI-Based Self-Healing System for Real-Time Infrastructure Monitoring and Automated Anomaly Detection March 2026 - Present

- Building an AI-based self-healing system for real-time infrastructure monitoring.
- Detecting anomalies in CPU, memory, and system metrics using Machine Learning techniques.
- Working on automated recovery actions such as service restart and alert generation.
- Currently developing using Python, system monitoring tools, and ML models.

CERTIFICATIONS

- IBM — Full Stack Software Eng, Specialization (Coursera) Aug 2025 - Ongoing
- Agentic AI Developer Certification (Ready Tensor) Mar 2026 - Ongoing