VINAY DOMA

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PROFESSIONAL SUMMARY

Software Developer with experience building AI-powered applications, scalable backend services, REST APIs, WebSockets, event-driven data pipelines, and cloud deployments on AWS. Skilled in Java, Python, Node.js, React, SQL databases, Docker, Kafka, LLM-based agentic workflows, and production system reliability. Strong foundation in machine learning, data engineering, API integrations, cybersecurity, and full-stack development.

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C++, JavaScript
Backend Development: Node.js, REST APIs, WebSockets, Webhooks, Express.js
Frontend Development: HTML, CSS, React.js
AI / Machine Learning: LLMs, Agentic AI, TensorFlow, Pandas, NumPy, Machine Learning Algorithms
Data Engineering: Kafka, Data Pipelines, Data Workflows, Data Monitoring
Databases: MySQL, PostgreSQL
Cloud & DevOps: AWS, Docker, Linux, HTTP
Tools & Platforms: Git, GitHub, Tableau, VS Code

WORK EXPERIENCE

Lakhi Information Technologies Inc - Software Developer, AI & Data Engineering **Jul 2025 - Present**

- Developed and maintained scalable backend services using Node.js and AWS for AI-powered production applications.
- Built and integrated LLM-based agentic AI workflows into backend systems to support automation and intelligent user interactions.
- Designed and implemented REST APIs, WebSockets, and webhook integrations for real-time communication between applications and third-party services.
- Developed Kafka-based event-driven pipelines to process application events, monitor AI performance, and support data-driven improvements.
- Integrated Live Kit for real-time voice assistant functionality and connected voice workflows with backend services.
- Implemented Twilio WhatsApp automation for conversational messaging, notifications, and user interaction workflows.
- Worked on software design, debugging, testing, deployment, and production issue resolution.
- Improved backend reliability by identifying bugs, optimizing workflows, and supporting stable production releases.

V Cube Software Solutions Pvt. Ltd. - Software Engineer Intern **May 2023 - Jan 2024**

Project: Data Security Approach on Cybercrime with Web Vulnerabilities

- Implemented encryption techniques to secure web data and reduce unauthorized access risks.
- Updated and patched web applications to mitigate security vulnerabilities and improve application safety.
- Deployed intrusion detection and prevention systems to monitor cyber threats and support incident response.

PROJECTS

Smart Voting System Using Face Recognition | Python | Face Recognition

Tech Stack: Python, Face Recognition, Machine Learning, Database, UI Design

- Developed a Python-based remote voting application using facial recognition for secure voter authentication.
- Implemented face detection and recognition logic to verify voter identity and reduce unauthorized access.
- Designed a user-friendly interface for voter registration, authentication, and voting flow.
- Tested the system for recognition accuracy, reliability, and usability across different user scenarios.
- Collaborated with team members to define project scope, design modules, and deliver the final application.

SQL Injection Prediction Using Machine Learning | Python | Machine Learning | Cybersecurity

Tech Stack: Python, Machine Learning, Pandas, NumPy, Scikit-learn, SQL

- Developed a machine learning model to detect and predict SQL injection attacks from query patterns.
- Collected and preprocessed malicious and benign SQL query datasets for model training.
- Trained and compared multiple models including Logistic Regression, Decision Tree, Random Forest, and Deep Learning models.
- Evaluated model performance using accuracy, precision, recall, and F1-score.
- Strengthened understanding of cybersecurity, web vulnerabilities, and ML-based threat detection.

EDUCATION

JB Institute of Engineering and Technology (JBIET), Hyderabad **Aug 2020 - May 2024**

B. Tech in Electronics and Computer Engineering

GPA: 7.79

CERTIFICATIONS

- Java Full Stack Developer Certification — Udemy
- Python Full Stack Developer Certification — JSpiders
- Data Analytics Certification — Centum Foundation