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OBJECTIVE

Passionate software developer with strong fundamentals in computer science and hands-on experience in building scalable AI-integrated applications. Seeking to contribute to world-class distributed systems at Microsoft, leveraging my skills in Python, system-level optimization, and cross-platform development.

TECHNICAL SKILLS

- **Languages:** Python, Java, SQL, Dart, C (academic), HTML, CSS
 - **Frameworks & Libraries:** Flutter, TensorFlow, Scikit-learn, React
 - **Tools & Platforms:** Git, GitHub, GitLab, Jupyter, Google Colab
 - **Domains:** Full-stack Development, AI Integration, IoT, Cloud-Ready Systems
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EXPERIENCE

UVJ Technologies Pvt. Ltd — *Associate Software Engineer*

July 2024 – Present

- Developed scalable Flutter applications with optimized backend integration. - Integrated IoT hardware (ESP32) with custom real-time software for data acquisition. - Converted CNN models to TensorFlow Lite for low-latency inference on mobile devices.

WhiteMatrix Solutions — *Software Development Intern*

Jan 2024 – June 2024

- Built mobile and web applications with React and Flutter for internal platforms. - Designed state-managed, responsive UI with integrated REST APIs. - Contributed to backend logic in full-stack agile development environments.

Inclusys Org Foundation — *Alexa Skill Developer (Intern)*

May 2023 – June 2023

- Created Alexa voice skills aiding elderly and blind users with daily tasks. - Incorporated cognitive therapy elements in voice-based interactions.

PROJECTS

VEye AI Vision Assistant | *TensorFlow, Python, TFLite, Hardware*

- Designed a wearable AI assistant using object detection and real-time audio feedback. - Deployed TFLite models for on-device inference, enabling autonomous use for the visually impaired.

Automatic Billing Smart Cart | *Flutter, TensorFlow, Python*

- Created an intelligent shopping cart app with object detection to enable automatic checkout. - Reduced hardware reliance by integrating ML directly within mobile interfaces.

Smart LockBox | *IoT, ESP32, Web Interface, Camera*

- Engineered a secure, Wi-Fi-enabled lockbox with camera-based monitoring. - Developed an intuitive web interface for remote control and surveillance.

Stock Market Prediction using ML | *Python, LSTM, GRU*

- Trained LSTM and GRU models to forecast stock prices; performed comparative accuracy analysis.

CERTIFICATIONS

- Google IT Automation with Python – Coursera | Google
 - Databases and SQL for Data Science – Coursera | IBM
 - TensorFlow: Advanced Techniques – Coursera | DeepLearning.AI
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EDUCATION

B.Tech in Computer Science & Engineering

Sahrdya College of Engineering & Technology, Kerala

APJ Abdul Kalam Technological University • 2020 – 2024 • **CGPA: 8.64**

Higher Secondary (Class 12) — 85.5%

St. Thomas College Higher Secondary School, 2020

Secondary (Class 10) — 98%

St. Joseph's Model Higher Secondary School, 2018

LANGUAGES

English • Malayalam

HIGHLIGHTS FOR MICROSOFT

- Experience in **deploying and optimizing AI models** on edge/mobile devices.
 - Built **real-time systems** combining hardware (IoT) and software.
 - Contributed to **scalable architecture** in cloud-connected applications.
 - Quick learner, collaborative mindset, and deep passion for **distributed systems** and **low-level optimization**.
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References available upon request.