

Pruthviraj Chandru

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EDUCATION

B.M.S College of Engineering, Bengaluru

B.E Information Science Engineering

Jun. 2021 – Jun. 2025

8.3 CGPA

Mahesh Pu College, Bengaluru

Karnataka Secondary Education Examination Board (KSEEB)

Aug. 2019 – May 2021

89%

EXPERIENCE

Software Development Engineer I

Boomi

Jun 2025 – Present

Bengaluru

- Spearheaded development of critical features in Boomi's Event Streams product using Java, Spring Boot, and Apache Pulsar, enhancing scalability and real-time messaging capabilities.
- Developed a proactive monitoring agent that sends weekly token expiry status emails to customers, preventing workflow disruptions and improving operational reliability.
- Ensured synchronization between Pulsar namespaces and SQL database to maintain consistency of token metadata such as expiry dates and prevent workflow disruptions

Software Engineering Intern

Boomi

Feb 2025 – Jun 2025

Bengaluru

- Contributed to the Boomi Agent Studio team by building AI agents to automate enterprise workflows, leveraging Agentic AI, Retrieval-Augmented Generation (RAG), and **Amazon OpenSearch** for vector similarity search. Integrated LLMs including **Claude Haiku** and **Sonnet** via Amazon Bedrock for advanced language reasoning.
- Developed a full data analysis and visualization agent using Boomi DataHub, Salesforce, Google Sheets, and **Grafana**; secured a **Top 3** position in the Boomi Agent Hackathon.

CERTIFICATIONS

Earned multiple industry-recognized certifications including **Professional API Design**, **Associate Event Streams**, **Associate Integration Developer**, and **Agentic AI**, validating expertise in API development, event-driven architectures, system integration, and autonomous AI systems.

PROJECTS

QuickChat – Real-Time Messaging Platform | *React, Node.js, MongoDB, Socket.io, Express.js*

- Developed a full-stack MERN application featuring a secure RESTful API with JWT authentication for user authorization.
- Integrated Socket.io for bidirectional, real-time messaging and user presence (online/offline) status indicators.
- Designed efficient MongoDB schemas for persistent chat history and built a modern, responsive UI with TailwindCSS & Daisy UI.

Accident Detection and Response System | *Python, TensorFlow, Keras, OpenCV, Twilio*

- Engineered a hybrid CNN+GRU model (94% accuracy) using TensorFlow/Keras, utilizing OpenCV for video stream processing and data augmentation.
- Integrated the Twilio API to automatically dispatch real-time SMS notifications to emergency services upon accident detection.
- Designed the system for both real-time CCTV surveillance and user-facing validation via image/video file uploads.

SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS

Frameworks & Libraries: Spring Boot, React, Flask, Bootstrap, PyTorch, TensorFlow

Developer Tools: Git, Docker, Kubernetes, Apache Pulsar, AWS, VS Code, Eclipse

Systems & Concepts: Microservices Architecture, Distributed Systems, Event-Driven Architecture, Agentic AI, Data Structures and Algorithms, Object-Oriented Programming, Machine Learning, Cloud Computing, Big Data, Operating Systems, Computer Networks