

# Pruthviraj Chandru

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## EDUCATION

<b>B.M.S College of Engineering, Bengaluru</b> <i>B.E Information Science Engineering</i>	Jun. 2021 – Jun. 2025 8.3 CGPA
<b>Mahesh Pu College, Bengaluru</b> <i>Karnataka Secondary Education Examination Board (KSEEB)</i>	Aug. 2019 – May 2021 89%

## EXPERIENCE

<b>Software Development Engineer I</b> <i>Boomi</i>	Jun 2025 – Present Bengaluru
<ul style="list-style-type: none"><li>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.</li><li>Developed a proactive monitoring agent that sends weekly token expiry status emails to customers, preventing workflow disruptions and improving operational reliability.</li><li>Ensured synchronization between Pulsar namespaces and SQL database to maintain consistency of token metadata such as expiry dates and prevent workflow disruptions</li></ul>	

  

<b>Software Engineering Intern</b> <i>Boomi</i>	Feb 2025 – Jun 2025 Bengaluru
<ul style="list-style-type: none"><li>Contributed to the Boomi Agent Studio team by building AI agents to automate enterprise workflows, leveraging Agentic AI, Retrieval-Augmented Generation (RAG), and <b>Amazon OpenSearch</b> for vector similarity search. Integrated LLMs including <b>Claude Haiku</b> and <b>Sonnet</b> via Amazon Bedrock for advanced language reasoning.</li><li>Developed a full data analysis and visualization agent using Boomi DataHub, Salesforce, Google Sheets, and <b>Grafana</b>; secured a <b>Top 3</b> position in the Boomi Agent Hackathon.</li></ul>	

## 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

<b>QuickChat – Real-Time Messaging Platform</b>   <i>React, Node.js, MongoDB, Socket.io, Express.js</i>	
<ul style="list-style-type: none"><li>Developed a full-stack MERN application featuring a secure RESTful API with JWT authentication for user authorization.</li><li>Integrated Socket.io for bidirectional, real-time messaging and user presence (online/offline) status indicators.</li><li>Designed efficient MongoDB schemas for persistent chat history and built a modern, responsive UI with TailwindCSS &amp; Daisy UI.</li></ul>	
<b>Accident Detection and Response System</b>   <i>Python, TensorFlow, Keras, OpenCV, Twilio</i>	
<ul style="list-style-type: none"><li>Engineered a hybrid CNN+GRU model (94% accuracy) using TensorFlow/Keras, utilizing OpenCV for video stream processing and data augmentation.</li><li>Integrated the Twilio API to automatically dispatch real-time SMS notifications to emergency services upon accident detection.</li><li>Designed the system for both real-time CCTV surveillance and user-facing validation via image/video file uploads.</li></ul>	

## 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