

Meeth Jitendra Davda

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EDUCATION

University of Southern California Master of Science in Computer Science Los Angeles, CA
Coursework: Analysis of Algorithms, Applied NLP, Machine Learning Aug 2025 – May 2027

RV College of Engineering Bachelor of Engineering in Computer Science Bangalore, India
Coursework: DSA, DBMS, Software Engineering, OOP, OS Dec 2020 – Jul 2024

EXPERIENCE

Boeing India Private Limited, *Software Developer Engineer 1*, Bangalore, India Sept 2024 – Jul 2025

- Built an AI assisted requirements analysis tool using Python, **Azure OpenAI APIs**, and **RAG** pipelines with vector databases, cutting analyst review time by **45%** across cross-functional engineering teams
- **Containerized** backend services using **Docker** and automated deployment via GitLab CI/CD pipelines, integrating pytest suites into every commit cycle and reducing validation time by **60%**
- Authored and refactored **200+** Python test cases for production-critical systems, achieving **99.2%** code coverage and eliminating critical defects prior to release

Rakuten, *Full-stack Developer Intern*, Bangalore, India Feb 2024 – Aug 2024

- Created a **full stack** annotation platform with a Next.js frontend and **Spring Boot** backend, reducing job setup time by **35%** through reusable templates
- Engineered a customer ready **Java SDK**, enabling programmatic platform access and reducing job creation time by **60%**
- **Containerized** services and integrated **CI/CD** pipelines using GitHub Actions, improving deployment speed and release efficiency by **40%**

System Consultant Information India, *Software Engineer Intern*, Bangalore, India May 2023 – Nov 2023

- **Spearheaded** the architecture and implementation of smart contracts for **distributed file storage**, shrinking hosting costs by **15%** by moving files to the blockchain.
- Architected and implemented smart contracts for NFT-based file storage, deployed on **Ethereum and Polygon**, improving system performance by **40%**.
- Deployed a **private network** with Hyperledger Besu, **migrating** from a public blockchain and boosting security by **50%**.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Java, C++, Python, SQL

Cloud & DevOps: Docker, AWS (EC2), Azure OpenAI, Linux, GitHub Actions, GitLab, Redis, Bash

Frontend: React, Next.js, AngularJS, Redux, HTML/CSS

Systems/Backend: PostgreSQL, MySQL, MongoDB, Node.js, Apache Kafka, Express, Git, FastAPI, REST APIs

ML/AI: LangChain, Retrieval Augmented Generation (RAG), Vector Databases, NLP

PROJECTS

OpsAgent *Python, FastAPI, LangChain, Node.js, Next.js, PostgreSQL, WebSocket* April 2026

- Designed an AI-powered autonomous incident response **agent** using **LangChain ReAct**, saving engineers **45 minutes** per incident by autonomously diagnosing, remediating, and generating postmortems across 7 tools end-to-end
- Built 3-service architecture (**Python FastAPI agent brain, Node.js webhook ingestion, Next.js dashboard**) with real-time WebSocket trace streaming
- Integrated GPT-4.1 to autonomously generate structured postmortems and route **100%** of critical incidents to on-call engineers via Slack escalation

IssueLens for Open Source *Next.js, Node.js, Express, PostgreSQL* Aug 2025

- <https://IssueLens.net> - Designed and architected a **full-stack** debugging platform for Appwrite's **300K+ developer community**, retrieving relevant GitHub fixes via contextual search pipelines and reducing issue investigation time by **60%**
- Built an **asynchronous** crawling backend in Node.js + Express, indexing **9,000+** repository issues, cutting resolution time by **25%**
- Developed **REST APIs** for filtering and contextual retrieval, decreasing average query response time by **35%**
- Engineered device-level **rate limiting** on backend APIs, restricting users to 5 requests/day and reducing failed requests by **40%**

ACHIEVEMENTS

Boeing Recognition Award 2025

- **Awarded** at Boeing for enhancing the CDU by adding missing Data Link features and ensuring compliance

Hi-Impact Leadership and Verbal Communication Program 2024

- Selected among **500 candidates** for demonstrated team coordination and effective cross functional collaboration