

Ranjit Chandrashekhar Jagtap

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GitHub | LeetCode | LinkedIn | Portfolio

EDUCATION

Bachelor of Engineering in Computer Science (Data Science Specialization)

TSSM's Bhivarabai Sawant College of Engineering and Research

Expected 2027

Pune, India

EXPERIENCE

Freelance Software Engineer — Café Digital Menu

Dec 2025 – Jan 2026

Pune, India

- Engineered a mobile-first QR ordering application using React, TypeScript, and PostgreSQL, with RESTful APIs and optimized SQL queries for the application's ordering workflows.
- Implemented backend security measures and contributed to requirement gathering, unit testing, debugging, and Git-based code reviews before delivering the application to the client.

PROJECTS

Razorpay AI Finance Controller | Node.js, TypeScript, PostgreSQL, Drizzle ORM | [\[Link\]](#)

Sep 2026

- Engineered an AI-assisted financial reconciliation platform integrating Razorpay APIs with deterministic candidate retrieval, rule-based validation, and a policy-driven decision engine for reconciling payments, refunds, and settlements with persisted evidence and audit events.
- Built a bounded AI investigation workflow using **OpenAI/Gemini** with tool allowlisting, input/output validation, timeout protection, and policy guards; validated the reconciliation workflows against 300 synthetic transactions and 247 passing automated tests across 55 test files.

OffCampus | Node.js, MongoDB, Python, AWS OpenSearch, AWS EC2, Jenkins | [\[Link\]](#)

Aug 2026

- Built a job discovery platform using Node.js, Express.js, MongoDB, and AWS OpenSearch, combining keyword matching and semantic similarity to support hybrid search, structured filters, vector similarity, and relevance-based job ranking.
- Automated job ingestion with Python at 4 scheduled runs per day, processing 12,000+ job postings across India per week; deployed the application on AWS EC2 with MongoDB Atlas, PM2, Nginx, Cloudflare DNS/SSL, and Jenkins CI/CD.

Store Intelligence | Python, YOLOv8, ByteTrack, FastAPI, SQLite, Docker | [\[Link\]](#)

May 2026

- Architected an event-driven retail analytics platform that transforms CCTV and POS data into real-time business insights, with the computer vision pipeline configured to process every 6th frame using YOLOv8s at an image size of 320.
- Built a YOLOv8- and ByteTrack-based computer vision pipeline with idempotent FastAPI event-ingestion services and analytics APIs; containerized the API and dashboard with Docker Compose, with the detection pipeline running separately and posting events through the ingestion API.

TECHNICAL SKILLS

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

Backend & Systems: Spring Boot, Spring Security, FastAPI, Express.js, Node.js, WebSockets, Kafka, JWT

Databases & Search: PostgreSQL, MySQL, MongoDB, Redis, SQLite, AWS OpenSearch

DevOps & Infrastructure: AWS (EC2, S3, Lambda), Docker, Jenkins, Linux, CI/CD, Git

AI & Vision: YOLOv8, ByteTrack, OpenCV, Vector Similarity Search

ACHIEVEMENTS & CERTIFICATIONS

IBM SkillBuild Hackathon: Ranked Top 15 among 150+ teams/participants for developing **CineeBot**, an AI-powered movie discovery platform using the OMDb API, IBM Cloud Object Storage, and IBM WatsonX Assistant. Contributed to the movie discovery interface, search and genre-based filtering, movie gallery with endless scrolling, random genre recommendations, and WatsonX Assistant chatbot integration.

PCCOE Navdhara Project Competition 2024: Developed **Fusion-Hive: Streamlining College Life**, an all-in-one web application for student and teacher workflows. Contributed primarily to backend and deployment, integrating MongoDB, MySQL/Koha, Google Apps Script, Cloudinary, environment configuration, and external service integrations.

Certification: IBM SkillBuild – Getting Started with Artificial Intelligence. [\[View Certificate\]](#).