

T S Ajeet

Portfolio
Pune, India

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Experience

Software Development Engineer II | Citi | Pune, India

Jul 2023 - Present

- Developed a generic Machine Learning Prediction Pipeline in Python to onboard Core Compliance models with minimal configurations, as measured by a 50% reduction in model onboarding time and a 100% improvement in development efficiency, by leveraging object-oriented and functional programming principles.
- Built the Policies Portal UI in Angular from the ground up, enabling 10000+ Citi employees to manage policy breaches, waivers and dispensations.
- Spearheaded the Smart Policy Search UI in Angular, empowering Citi employees to search across 1,000+ policies with advanced filtering, sorting, and custom policy group features, significantly enhancing user experience.
- Implemented a modular architecture with lazy-loaded feature modules, reducing initial bundle size and improving First Contentful Paint (FCP) by 25%.
- Secured a Gold award at the Citi India Hackathon 2024 for innovative contributions in fintech open-source projects.
- Received a Bronze award in January 2024 from the Senior Leadership Team for taking up end-to-end ownership of Policy Ecosystems.

Software Development Internship | Citi | Pune, India

May 2022 - July 2022

- Shaped a minimalist dashboard in Angular, streamlining the management of 100+ Oracle-hosted databases.
- Enhanced data clarity and actionable insights by 40% through the integration of interactive charts and data tables.
- Secured a Pre-Placement Offer (PPO) by consistently exceeding expectations and delivering high-quality results during the internship.

Backend Development Internship | Finllect | Dubai, UAE

Dec 2020 - Feb 2021

- Redesigned systems for user, budget and coupon management modules in Node completing delivery within 2 months.
- Improved essential backend components, including aggregator, gateway, and notification services, to support seamless system functionality and integration.
- Piloted a widely adopted Slack bot for real-time activity notifications, improving team communication.

Skills

Languages: Python, JavaScript, Typescript, Go, C++, C, Java, SQL, Cypher, Bash

Technologies: React, Next, Angular, Node, Express, MongoDB, Gin, PostgreSQL, Neo4j, Redis, RabbitMQ, Prisma

Others: Linux, Git, AWS, Docker, Kubernetes, Jenkins, Github Actions

Projects

Form Factory | site

- Tech: Next, Typescript, Tailwind CSS, Shadcn, MagicUI, Zustand, tRPC, Prisma, React Query
- Built a full-stack dynamic form builder application with a drag-and-drop interface using Next.js, enabling users to effortlessly create and share customizable forms. Integrated real-time form previews and state management with Zustand, ensuring a seamless and responsive user experience.

Agentic AI with RAG

- Tech: Python, Qdrant Vector DB, Langchain, Langgraph, RAG, Tavily, Gemini AI
- Spurred an agentic RAG system that involves creating a decision-making layer that dynamically determines whether to retrieve information from a vector database, search the internet, or respond directly based on the complexity of the query. This approach optimizes resource usage while ensuring accurate and contextually relevant answers

Web Crawler | github

- Tech: Go, Concurrency, TDD, Docker
- Developed a high-performance CLI web crawler in Go by leveraging concurrency and worker pools to efficiently perform recursive crawling with configurable limits while ensuring reliability through Test Driven Development.

Education

B.Tech. Production Engineering | National Institute of Technology, Trichy (NIT-T)

Aug 2019 - May 2023

- First Class with Distinction. CGPA: 8.64
- Professionally trained and played for the university football team NITT FC
- Built and maintained internal tools at Delta Force NIT Trichy coding club as a full-stack developer