

# T. S. AJEET

🔗 Portfolio  
📍 Pune, India

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## Education

**B.Tech Production Engineering** | National Institute of Technology, Trichy (NITT)

Aug 2019 - May 2023

- First Class with Distinction. CGPA: 8.64
- Built and maintained internal tools at Delta Force NIT Trichy coding club as a full-stack developer.

## Experience

**SDE-2** | Citi Bank

Jul 2023 - Present

- **Tech:** Angular, Springboot, React, Node, Python
- **Spearheaded** the end-to-end development of multiple projects within **Citi's Policies Portal**, migrating from vendor applications and saving the organization millions in annual costs.
- **Developed and deployed** a widely adopted **database validation script using Springboot** that automatically verifies required tables, views, and sequences in deployment environments — enabling early detection of missing database objects and preventing critical production failures.
- **Contributed to Citi's Engineering Excellence initiative**, building an **InnerSource portal** to help teams discover contributors and accelerate cross-functional collaboration.
- **Engineered a configuration-driven Data Science Prediction Framework in Python** to onboard and operationalize risk behavior models, **reducing time-to-production from 4 months to 2 months**. Applied modularization and abstraction principles to achieve plug-and-play pipeline integration.
- **Recognized among the Top 5 projects (out of 100+)** in 2024, presented to the **Managing Director of Finance Risk Technology** for innovation and business impact.
- **Pioneered early AI adoption** within the organization by integrating available AI tools into codebases and conducting **bi-weekly demos** to showcase practical use cases and productivity gains.
- Secured Gold at Citi India Hackathon 2024, outperforming 1,000 peers for innovative contributions to FINOS (FinTech Open Source).

**SDE Intern** | Citi Bank

May 2022 - July 2022

- **Tech:** Angular, Springboot, React, Node
- Shaped a minimalist dashboard in Angular, streamlining the management of 1000+ Oracle-hosted databases.
- Enhanced data clarity and actionable insights by 40% through the integration of interactive charts and data tables.
- Developed an end-to-end cloud-based fullstack application that manages the profiles of all Citi interns as a part of an intern training project with a DevOps first approach using React, Node, MongoDB, Docker, Jenkins and AWS.
- Secured a Pre-Placement Offer (PPO) by consistently exceeding expectations and delivering high-quality results during the internship.

## Skills

**Languages:** Java, JavaScript, TypeScript, Python

**Tech:** React, Next, Angular, Springboot, Node, Express, MongoDB, PostgreSQL

**Others:** Linux, Git, AWS, Kubernetes

## Projects

**Form Factory** | [site](#)

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

**Agentic AI & RAG System**

- **Tech:** Python, Qdrant Vector DB, Langchain, Langgraph, RAG, Tavily, Gemini AI
- Developed 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.

**dbv-spring-boot-starter** | [github](#)

- **Tech:** Spring Boot, Spring Boot Starter
- Developed and open-sourced a Spring Boot DB Validator Starter, that automatically scans entity mappings and validates database objects such as tables, views, and columns across environments helping teams catch schema inconsistencies and missing objects early during API startup, improving deployment reliability and reducing runtime database errors.