

Tanishq Chakravarty

+919604666823 | [Gmail](#) | [Linkedin](#) | [GitHub](#)

EDUCATION

Vellore Institute of Technology

B. Tech (Electronics and Communication) (8.05)

Vellore, Tamil Nadu, India

Sept. 2021 – May 2025

Namo Rims Junior College

Higher Secondary Certificate (90.83%)

Pune, Maharashtra, India

Aug. 2019 – May 2021

EXPERIENCE

Engineering Intern - Full Stack

Aug. 2023 – Nov. 2023

Recruit CRM (WORKFORCE CLOUD TECH, INC)

WFH

- As a *Full-Stack Intern*, I contributed to the development of an AI-powered resume analysis platform by integrating external AI APIs on the backend and implementing intuitive UI elements on the frontend to enhance user interaction and data presentation..
- Designed and implemented a resume analysis system using PHP, Laravel, and MySQL, capable of intelligently parsing and evaluating diverse candidate profiles
- Conducted comprehensive API testing with Postman to ensure endpoint stability, accurate data handling, and smooth integration with AI services
- Integrated third-party AI APIs to automate parts of the hiring workflow, enriching backend logic with machine learning-driven insights

TECHNICAL SKILLS

- Skills:** Java, AWS, Spring Boot/AI, Docker, H2 Database Engine, MySQL, PostgreSQL, JavaScript, TypeScript, HTML/CSS
- Certifications:** [AWS Educate Introduction to Cloud 101](#), [Java Programming](#)
- Tools:** Postman, IntelliJ IDEA, VS Code, Docker CLI, draw.io, LaTeX, Overleaf, MS Office, Git
- Technologies:** Microservices, REST APIs, Docker Containers, SQL/DB Management

PROJECTS

Student Database System | *Spring Boot, Java, H2 Database, JDBC, Maven*

July 2025

[GitHub SPBootH2](#)

As a *Back-End Developer*, I built and integrated an in-memory student database using Spring Boot and H2, focusing on efficient data handling and schema management for Java-based applications.

- Designed relational tables (**student**, **mathematics**, **physics**, **chemistry**) linked via foreign keys to maintain referential integrity.
- Implemented real-time data tracking by writing insert/update/delete operations into a **changes.txt** log using Java I/O (**FileWriter**) to maintain auditability and history across sessions.
- Used **schema.sql** and **data.sql** for automatic table creation and test data insertion at runtime.
- Integrated Spring JDBC to retrieve and merge data across all subject tables into dedicated Java model objects.
- Leveraged H2's in-memory storage to remove external DB dependencies and reduce application footprint.
- Enabled full CRUD functionality for all entities using Spring JDBC and repository patterns. Ensured persistent storage of state by exporting the database to an SQL dump file (**backup.sql**) after transactions.

Personal Portfolio | *Angular, TypeScript, HTML, CSS, Vercel*

June 2024 – July 2024

[Portfolio](#)

As a *Front-End Developer*, I built and deployed a dynamic Angular portfolio site on Vercel to showcase machine learning projects and technical skills to employers and collaborators.

- Showcased 2+ machine learning and data science projects with detailed write-ups, GitHub links, and interactive visualizations to demonstrate technical depth.
- Lowered bounce rate by 40% using intuitive UI and mobile-first design via Angular Flex + Grid Layout.
- Achieved <1.2s load times through Vercel edge deployment and Angular optimizations.
- Added resume download, contact form, and social links to enhance professional visibility.

To-Do List App | *Angular, TypeScript, HTML, CSS, Vercel*

January 2025 – March 2025

[To-Do List App](#)

As a *Front-End Developer*, I built and deployed a responsive to-do list app with Angular, focusing on a fluid user interface and optimized performance via Vercel hosting.

- Implemented dynamic task handling (add/edit/delete) using Angular components and state management, without relying on forms.
- Designed a responsive layout using Flexbox and media queries for great performance across all screen sizes.
- Deployed on Vercel with production-ready builds and fast loading times.
- Included animations, clean transitions, and real-time task status updates for an intuitive user experience.
- Focused on minimal design and interaction-first features to enhance daily usability.