

# VRINDAA TALWAR

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## EDUCATION

### Dwarkadas J. Sanghvi College of Engineering

B.Tech in Artificial Intelligence and Data Science

Mumbai, Maharashtra

Aug 2024 – May 2028

### Heritage School Jammu

Higher Secondary Certificate (HSC)

Jammu, Jammu and Kashmir

July 2022 – Apr 2024

### Heritage School Jammu

Secondary School Certificate (SSC)

Jammu, Jammu and Kashmir

July 2010 – Apr 2022

## EXPERIENCE

### Open Source Contributor

*OpenCode'25*

Dec 2025 – Jan 2026

*IIT Allahabad*

- Redesigned authentication landing page
- Revamped hero section and authentication UI with prism effect
- Explored ways to visualize GitHub collaboration in a classroom setting

### Open Source Contributor

*Open Source Connect Global'26*

Jan 2026 – Present

- Redesigned authentication landing page
- Revamped hero section and authentication UI with prism effect
- Explored ways to visualize GitHub collaboration in a classroom setting

## PROJECTS

### Financial Wind Tunnel | *React, PostgreSQL, TimescaleDB, Neo4j, Docker*

Dec 2025 – Present

- Designed a deterministic financial simulation backend with bitemporal data modeling and no-look-ahead guarantees
- Implemented JWT-based authentication with strict multitenancy and role-based access control (RBAC)
- Built reproducible scenario simulations with dependency and contagion graphs
- Created an interactive and visually appealing frontend

### AI-Powered Multitenant Retail Analytics Platform | *React, Tailwind CSS*

Nov 2025

- Team project (4 members); Role: Frontend Engineer, UI/UX Designer
- Implemented frontend using React with a focus on clean and consistent UI
- Designed user flows to make the product experience simple and intuitive

### AI Fake News Detection | *Python, FastAPI, React, Git*

Sept 2025

- Team project (4 members); Role: Frontend Engineer, UI/UX Designer, Frontend and Backend Integration
- Coordinated development of a real-time fact-checking system, managing feature prioritization and technical requirements
- Built RESTful API architecture using FastAPI with Tavily API and News API integration, and connected Gemini API for semantic analysis

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL, JavaScript

**Frameworks:** Flask, Express.js, React

**Styling / UI:** Tailwind CSS, Material UI

**Databases:** PostgreSQL, TimescaleDB, Neo4j

**Libraries:** pandas, NumPy, Matplotlib

**Developer Tools:** Git, Docker, VS Code, Visual Studio