DEEPANSHU THAKUR

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Education

Delhi Technological University, New Delhi
Bachelor of Technology in Mathematics and Computing - GPA:8112

2022 − 2026

Shyama Prasad Vidyalaya, New Delhi
CBSE (Class XII) - 95%
CBSE (Class X) - 94%

June 2022
May 2020

Internships

Technorise Intern - Tech Mahindra (DIG - TTLH) **May 2025 − July 2025**

- Led the design and deployment of **BOLy, an agentic AI** leveraging LLMs to **automate real-time Bill of Lading updates** via natural conversations with drivers — **cutting processing time from 24 hours to <5 minutes.**
- **Fully automated a complex logistics workflow, reducing dependency from 600 FTEs to 20 FTEs, driving 100% operational automation for a major US logistics client.**
- **Integrated BOLy into EZ-BOL, a React Native (Expo) application** covering the end-to-end driver journey.
- **Delivered multi-million dollar cost savings**, eliminated human error, and enabled 24x7 scalable operations through intelligent automation.

Software Engineering Intern - Sheshya.AI

- Incorporated advanced **authentication** modules for **phone and email otp verification.**
- Enhanced application security through J**WT tokens** and encoding.
- Integrated **Geolocation based API** to enable l**ocation-based attendance** tracking, reducing manual efforts for users.
- Implemented **PhonePe Payment API** to enable seamless payment processing, reducing transaction time.
- Developed a **WebSocket-based chatbox** enabling **real-time communication** between users, **with encrypted chat** strings.
- **Led** the **development of an admin dashboard**, streamlining operation and improving data accessibility for internal teams.

Projects

EZ-BOL & BOLy – End-to-End AI Automation for Logistics BOL Updates | Documentation | Github **July 2025**

- **Led the design and development** of **BOLy, an agentic AI** powered by LLMs to **autonomously interact with truck drivers and extract Bill of Lading (BOL) updates via natural language.**
- Architected and orchestrated **AI workflows using N8N**, enabling **real-time data capture, validation, and seamless integration** into backend systems.
- Directed the development of **EZ-BOL, a React Native (Expo) mobile app** that digitized the complete driver journey — from check-in to BOL confirmation.
- Built **intelligent prompt chains, session memory, and fallback logic** to ensure reliable, **production-grade AI-driver interactions** across complex logistics scenarios.
- D**elivered a zero-touch automation solution**, **eliminating 600 FTEs, accelerating processing from 24 hours to 5 minutes,** and driving multi-million dollar impact for the client.

Blog Website | Personal Blog Website | HTML, CSS, Javascript, FlowBite | Link **june 2023**

- Integrated J**avaScript to add dynamic animations and enhance user interactions**, delivering a smoother and more engaging user experience. Leveraged modern JavaScript features and animation libraries to implement visually appealing transitions and effects. Ensured the **animations were lightweight, optimized, and seamlessly integrated with the application's overall design**.
- Used **FlowBite for consistent styling and design**, leveraging its pre-built components with Tailwind CSS. Ensured a responsive, cohesive UI while streamlining development. Focused on delivering a clean, polished design.

Honors and Awards

Techgig Code Gladiators : Finalist(2024), SemiFinalsit (2023) **July 2023, July 2024**

One of the world's largest coding competitions, **competing among over 316,000 participants and earning a spot in the top 3,000 finalists**. This prestigious achievement highlights exceptional problem-solving, coding, and algorithmic skills under intense pressure. **Demonstrating consistent performance and persistence**.

Certications

Accenture Developer Program - Forage | Link **Issued: December 2023**

Completed the Accenture Developer Program through Forage, gaining hands-on **experience in software development and project management**. Acquired practical skills in areas such as API integration, server-side scripting, and user interface design. Developed solutions for real-world challenges, **including streamlining business processes, implementing secure systems, and optimizing workflows to meet enterprise-level standards**.