

DIPANSHU KR. PANDEY

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Education

Mangalmay Institute of Engineering and Technology

Bachelor of Technology in Computer Science and Engineering

Sep 2021 – Aug 2025

Greater Noida, Uttar Pradesh

Relevant Coursework

- Data Structures and Algorithms
- Agile Methodologies
- SDLC
- DBMS
- Artificial Intelligence
- OOPs
- Operating Systems
- Computer Networks

Experience

Prishubh EdTech Pvt Ltd

May 2024 – August 2024

Assistant IT Intern

- Spearheaded the creation of over 7 custom websites, resulting in an average of 20% increase in client-reported online leads.
- Improved website deployment efficiency by 15% through process optimization.
- Collaborated with the team to implement IT strategies and optimize online solutions for retail businesses.

Oasis Infobyte

October 2023 – November 2023

Front End Developer Intern

- Built over 5 responsive personal portfolio websites, demonstrating strong HTML, CSS, and JavaScript skills.
- Engineered 3 professional portfolio websites, receiving positive client feedback on design and functionality.

Projects

File Hider Application (Live Preview) | *Java(core), MySQL*

December 2024

- Developed a secure backend with AES-256 encryption for file storage and a RESTful API for user authentication, handling up to 50 files and 10 users during testing.
- Implemented robust security measures including email authentication and secure password hashing using JavaMail API and MySQL.
- Followed object-oriented design principles and coding standards for scalable, maintainable code and implemented unit testing to ensure software quality and reliability.

Voting App (Live Preview) | *Node.js, Express.js, MongoDB, JWT*

November 2024

- Engineered a secure backend for a voting system using NodeJS, Express.js, and MongoDB, managing up to 20 concurrent votes.
- Integrated JWT authentication and developed RESTful APIs for candidate/voter management and vote submission with sub-second latency.
- Engineered real-time vote counting logic using WebSockets, enabling immediate aggregation and broadcasting of results with a data update latency of less than 300 milliseconds.

Video-Meet App (Live Preview) | *Nextjs, TypeScript, Tailwind CSS*

July 2024

- Built a real-time video meeting platform supporting up to 5 concurrent streams with integrated chat and secure authentication via Clerk.
- Optimized performance on Vercel, achieving fast load times (under 3 seconds) and reliable video sessions using the Stream API.

Technical Skills

Languages: Java Core, JavaScript.

Technologies/Frameworks: Spring Boot, Spring Core, Hibernate, Spring Data JPA, Spring REST, MySQL, HTML/CSS, Bootstrap, Tailwind CSS, ReactJS, Node.js, Express.js.

Version Control: Git, GitHub.

Methodologies: Agile, SDLC.

Web Servers: Apache Tomcat, Maven.

Certification / Extracurricular

- Java Full Stack Certificate from CodeForSuccess.
- Java DSA Certificate From ApnaCollege.
- SQL Certificate From HackerRank.