

# PRANAV ZINZURDE

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## Education

Indian Institute of Information Technology, Gwalior

Dec 2021 – Expected May 2025

B.Tech in Information Technology

Madhya Pradesh, India

## Experience

Backend Developer Intern

Sept 2023 - Nov 2023

Ride Evee | [Homepage](#)

- Engineered and managed the seamless operation of **backend systems and APIs**, ensuring optimal performance.
- Integrated **AWS S3** using the **AWS SDK** to securely store and manage user data, enhancing data storage capabilities.
- Spearheaded code reviews, and optimized the database to achieve **20% increase in system efficiency**.

Backend Developer Intern

Jun 2023 - Aug 2023

Abhigyan Abhikaushalam Students' Forum | [Homepage](#)

- Revamped the backend of the AASF App, catering to the needs of **300+ students** at IIITM Gwalior.
- Boosted performance of the app with **Redis caching**, optimizing data retrieval and achieving **faster response times**.
- Deployed the backend on **Digital Ocean server**, utilizing PM2 for process management and **Nginx** as a load balancer.

## Projects

**ApnaHub - CLI Based P2P File Sharing Platform** | *Python, Socket, Threading*

- Developed **messaging and file sharing CLI application** designed for efficient data sharing within a **local network**.
- Engineered **TCP protocol** through socket programming for efficient data tunneling, with **100%** bandwidth utilization.
- Integrated **threading** to enable **parallel computation** and working on GUI of the application using **PyQt5** designer.

**NourishNet** | *NodeJS, ExpressJS, ReactJS*

- Implemented a backend system for HoReCa-NGO communication, ensuring efficient coordination for successful **food delivery** to the needy.
- Integrated **Google OAuth** for user authentication, enhancing the overall system's accessibility and security features.
- Utilized **MongoDB database** to store and manage data, ensuring seamless and reliable access to critical information.

**Bhimdhwaja** | *Freelance E-Commerce Application*

- Developed a robust and user-friendly **E-Commerce website** utilizing MERN stack, with secure **payment gateway**.
- Implemented the backend with **additional admin functionalities**, and hosted on **AWS EC2 instance**.
- Managed website maintenance, ensuring smooth operation through **bug fixes**, and **performance optimizations**.

## Technical Skills

**Languages:** Javascript, Typescript, C/C++, Python

**Frameworks and Libraries:** AdonisJS, NodeJS, ExpressJS, ReactJS, Socket, Threading

**Databases:** MongoDB, MySQL, PostgreSQL

**Other Technologies:** Git, GitHub, REST API, Postman, nginx, Digital Ocean, Amazon Web Services, Google Cloud

## Achievements

- Secured **1st place** in **Hacknight 2023** hackathon organized by SOSC in October 2023 competing with 300+ students.
- Ranked among **top 5 winners** of **Code for Change** hosted by Amdad-o-Agahi competing with over 300+ students.
- Secured **1st position** in **AdMad** Competition organized by IEEE Society with participation of 100+ teams.
- Achieved a rank **among top 5** participants in **WJPS (coding contest)** with 150 students competing, conducted by techno-managerial Forum of IIIT Gwalior.

## Position of Responsibility

Joint-Secretary

SAC Technical - IIIT Gwalior

App Admin, Public Relation Head

Abhigyan Abhikaushalam Students' Forum