APURBA PATRA

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EDUCATION

Pranveer Singh Institute of Technology 2020 – 2024
Bachelor of Technology in Engineering in Computer Science and Engineering (8.5 CGPA) *Kanpur*

EXPERIENCES

Growhut May 2025 - Present
Software Engineering Intern *Gurugram*

- Worked on improving UI enhancement and also implemented responsive frontend interfaces for desktop, tablet mobile screen using react for our surge app .
- Implement automatic messaging system using NodeJs in surge app

Karman Drones December 2023 – July 2024
Software Engineering Intern *Noida*

- Enhanced mapping precision by integrating ArcGIS into custom ground control station software, improving field operation accuracy by 20% and reducing errors by 15% using go.
- Resolved critical system issues and ensured timely delivery of quality products in collaboration with development teams.
- Designed and executed tests on an Karman GCS, which impacted overall department productivity by 20%.
- Designed and launched a Jenkins CI/CD pipeline, automating build and deployment processes; resulted in a 40% reduction in release time and increased developer productivity by 25% through streamlined updates
- Revamped website using React, NodeJs improving ui and integrated stripe which led to sales boost by 30% through website.

DPDZero July 2023 – October 2023
Product/Tech Intern *Bangalore*

- Designed dashboards for Lending Systems that will handle lending and collections using react, Fast-api, Elasticsearch.
- Created test cases for financial models and interactive calculators, ensuring robustness and accuracy.
- Worked on a web scraping program in Python to download public data, enriching internal data and increasing research efficiency by over 50%.
- Implemented responsive front-end interfaces for desktop, tablet, and mobile screens using React, improving user engagement by 65%
- Led agile software development cycles, ensuring on-time delivery of project milestones and fostering a collaborative team environment.
- Managed and optimized product backlog, resulting in 25% improvement in team throughput

PROJECTS

Prepwise AI Interview | *React, Next.js, Firebase, Tailwind CSS, NodeJS, Vapi AI, shadcn/ui, Google Gemeni, Zod* | Github

- Built with Next.js for the user interface and backend logic, Firebase for authentication and data storage, styled with TailwindCSS and using Vapi's voice agents, Prepwise is a website project designed to help you learn integrating AI models with your apps. The platform offers a sleek and modern experience for preparing for job interviews.

Klass Payment App | *React.js, Next, Tailwind CSS ,Django, Express Js, MongoDB* | Github

- This project aims to replicate the basic functionality of the payment app, allowing users to perform transactions, view their account balance, and interact with other users.

TECHNICAL SKILLS

Languages: C++, Python,Java
Developer Tools: VS Code, Figma, Anaconda, Linux, Windows
Relevant Coursework: Algorithms and Data Structures, Theory of Computation, Software Engineering and Design, Programming Languages & Techniques, Architecture, Discrete Mathematics, Operating Systems, Artificial Intelligence, Machine Learning
Technologies and Frameworks: Selenium, HTML, CSS, Tailwind, React, Next, Jenkins, Django, Node, Express, Fast API, REST APIs, AWS, SQL, Git, Spring Boot