

Pranu Pranjali

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github.com/PranuPranjali

Education

National Institute of Technology Andhra Pradesh, B.Tech Nov 2022 – May 2026

- Major in Mechanical Engineering
- Minor in Software Engineering
- GPA: 8.17

Experience

Project Intern, Indian Institute of Technology Dharwad, Karnataka | [View-Certificate](#) May 2024 – July 2024

- Tech Stack: Python-OCC, Flask, NumPy, Three.js, Plotly, HTML, CSS, JavaScript, Linux
- Developed a web application for generating tool-paths for incremental forming processes which is being used at both IIT Dharwad and IIT Hyderabad.
- Developed an interactive 3-D model viewer for visualization using Three.js, enhancing user experience.
- Numerical Computations: Generated toolpath from set of points and respective normal vectors on geometry using NumPy.
- Used a Linux-based virtual machine to host the app.

Skills

Technical Skills: Web Development, DevOps, DSA, OOPS

Languages: C++, Java, SQL, JavaScript, Python, HTML, CSS

Tools: Next.js, Node.js, Express, React, MongoDB, PostgreSQL, AWS, Bootstrap, Linux, Git, GitHub, Docker, Kubernetes, SSH, SCP, Three.js, Flask, NumPy, Pandas, Anaconda, Selenium

Unit Testing and Code Quality: Mocha, Chai, ESLint

Projects

Project Management and Collaboration Site | 2025 github.com/ProjectHub

- developed a project management and collaboration platform for seamless teamwork, task tracking, and feature to search for a collaborator and projects to contribute.
- Tech Stack: React, Flask, MongoDB, MySQL, Docker, Kubernetes, REST APIs
- Project Highlights:
 - Developed a user-friendly interface with React.
 - Created a robust back-end using Flask.
 - Implemented data storage with SQL and MongoDB.
 - Containerized the app with Docker, scaled with Kubernetes.

Financial Dashboard | 2025 github.com/FinDashboard

- Developed a real-time dashboard to visualize, track and categorize monthly expenses and set budget.
- Tech Stack: Next.js, MongoDB, D3.js, Plotly, WebSockets, REST APIs, Vercel
- Project Highlights:
 - Integrated REST APIs and WebSockets for live data updates.
 - Utilized WebSockets for real-time updates, ensuring that the dashboard reflects the most current data.
 - Utilized D3.js and Plotly for interactive data visualizations.
 - Used Vercel to deploy the site.

Roles and Responsibilities

Google Developer Groups, National Institute of Technology Andhra Pradesh Oct 2024 – Present

- Member, Technical Team

E-Yantra Club, National Institute of Technology Andhra Pradesh Aug 2023 – Present

- Joint Secretary