

# Pranu Pranjali

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[github.com/PranuPranjali](https://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, TypeScript, Python, HTML5, CSS3

**Tools:** Next.js, Node.js, Express, React, MongoDB, PostgreSQL, AWS, Bootstrap, Linux, Git, GitHub, Docker, Kubernetes, Tailwind CSS, SSH, Material-UI, RESTful APIs, Spring Boot, 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](https://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](https://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