

Pranu Pranjali

pranupranjal4@gmail.com | +91 9065148555 | portfolio.com/PranuPranjali | linkedin.com/PranuPranjali
github.com/PranuPranjali

Education

National Institute of Technology Andhra Pradesh, B.Tech | CGPA: 8.13

Nov 2022 – May 2026

- Major in Mechanical Engineering | Minor in Software Engineering

Experience

Software Development Intern, Directorate General of Information Systems, New Delhi

May 2025 – August 2025

- Built a citation filing system using Node.js, React, PostgreSQL, and Prisma.
- Designed a scoring algorithm based on 3000 input parameters per citation.
- Implemented secure authentication via SAML and SSD-ID signatures.
- Automated deployments using CI/CD for consistent data operations.
- Integrated RAG-based chatbot using Llama 3.1 for automated query resolution.
- Authored CMMI Level 3 documentation maintaining strict SDLC compliance.

Project Intern, IIT Dharwad | [View-Certificate](#)

May 2024 – July 2024

- Developed a 3D toolpath generation app using Python-OCC, NumPy, and Flask.
- Implemented complex logic in concise FP-style computations (surface normals, vector paths).
- Built interactive 3D visualization with Three.js Plotly, ensuring seamless UI-UX.
- Deployed scalable web services on Linux VM with Flask + JS frontend.

Skills

Technical: Web Development, DevOps, Data Analysis, DSA, OOPs, Optimization Techniques

Languages: Java, Python, JavaScript, TypeScript, SQL, C++

Tools & Frameworks: Node.js, Express, Next.js, React.js, Spring Boot, Flask

Data and Intelligence: Pandas, NumPy, PostgreSQL, MongoDB, D3.js, Three.js

CI/CD: Git, Docker, Kubernetes, Jenkins, SonarQube, AWS, Linux, Prometheus

Other: API Design, Secure Auth (SAML/OAuth), Payment Workflows

Projects

Financial Dashboard | 2025

[GitHub](#)

- Built a real-time dashboard to track, categorize, and visualize expenses and income with Spring Boot, Next.js and MongoDB.
- Used WebSockets and REST APIs for live updates across sessions.
- Visualized cash flow trends, budgeting, and savings via Plotly and D3.js.
- Integrated alerts and forecasting features for spending control.
- Designed end-to-end architecture and deployed the app using Vercel.

College Placement Portal | 2025

[GitHub](#)

- Developed a robust placement management portal handling large-scale student and recruiter data with Node.js, React, PostgreSQL.
- Implemented role-based access control for secure multi-user workflows (students, recruiters, admins).
- Optimized database queries for efficient processing of large datasets.
- Deployed using AWS RDS for Postgres database and Elastic Bean Stalk for Node.js backend.

Project Hub – Collaboration Platform | 2025

[GitHub](#)

- Developed a collaboration platform with dashboards for team analytics using React, flask and MySQL.
- Designed metrics for contributor evaluation and task performance.
- Used MongoDB and SQL to analyze large-scale multi-user activity data.
- Deployed using Docker and Kubernetes for horizontal scalability.

Roles and Responsibilities

Member, Google Developer Groups (GDG)

October 2024 – Present

Joint Secretary, E-Yantra Club

August 2023 – Present