

Pranu Pranjali

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github.com/PranuPranjali

Education

National Institute of Technology Andhra Pradesh, B.Tech CGPA: 8.17	Nov 2022 – May 2026
• Major in Mechanical Engineering Minor in Software Engineering	
Indian Institute of Technology Madras	Nov 2022 – July 2023
• Foundation in Programming and Data Science	

Experience

Software Development Intern , Directorate General of Information Systems, New Delhi	May 2025 – August 2025
• Built a citation filing system using Node.js, PostgreSQL, and Prisma.	
• Designed a scoring algorithm based on 3000 input parameters per citation.	
• Implemented secure access via SAML and SSD-ID-based digital signatures.	
• Developed a React interface for submission, review, and result display.	
• Automated deployments using CI/CD for consistent data operations.	
Project Intern , IIT Dharwad View-Certificate	May 2024 – July 2024
• Generated CNC toolpaths from CAD models using Python-OCC and NumPy.	
• Computed surface normals and vector paths for forming precision.	
• Visualized 3D models and paths with Plotly and Three.js.	
• Deployed the app on a Linux VM using Flask and JS frontend.	

Skills

Quantitative & Analytical: Data Analysis, DSA, Algorithm Design, Statistics, Optimization Techniques
Languages: Python, JavaScript, TypeScript, SQL, C++
Tools & Frameworks: Pandas, NumPy, Flask, Express, PostgreSQL, MongoDB, Prometheus, Docker
Visualization: Plotly, D3.js, Three.js, ReCharts
Other: Git, Kubernetes, CI/CD, AWS, Linux

Projects

Financial Dashboard 2025	GitHub
• Built a real-time dashboard to track, categorize, and visualize expenses and income.	
• 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.	
Project Hub – Collaboration Platform 2025	GitHub
• Developed a collaboration platform with dashboards for team analytics.	
• 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.	
• Improved team visibility and decision-making through custom data dashboards.	

Roles and Responsibilities

Google Developer Groups , National Institute of Technology Andhra Pradesh	October 2024 – Present
• Member, Technical Team	
E-Yantra Club , National Institute of Technology Andhra Pradesh	August 2023 – Present
• Joint Secretary	