Prathyush S Panicker

Bengaluru, INDIA | +91 8660797857 | panickerprathyush20@gmail.com

LinkedIn | GitHub | Portfolio | Leetcode | HackerRank

PROFESSIONAL SUMMARY

Software Engineer with 7+ months of hands-on experience in full-stack development and prior freelance projects. Strong background in MERN stack, Python, and AI agent automation. Was a part of PoC integrating AI agents (Claude Sonnet 3.7), browser automation, and local Kubernetes deployment. Passionate about building scalable, CI/CD-automated applications and ML-integrated systems.

TECHNICAL SKILLS

➔ Languages: Python, JavaScript, Java, C, R

➔ Web Development: MERN Stack, React Native, HTML/CSS, FastAPI, SQLAlchemy

➔ Databases: MySQL, MongoDB, PostgreSQL

➔ Machine Learning: Pandas, NumPy, Scikit-learn, Streamlit, Matplotlib, Seaborn, MCP (Model Context Protocol)

➔ Tools: Git, GitHub, REST API, Tkinter, MATLAB, Docker, Jenkins, Kubernetes, Ingress, Nginx, Playwright, Claude Sonnet 3.7(AWS Bedrock), Postman, SOAPUI, FFmpeg, Xvfb

➔ Soft Skills: Team Collaboration, Communication, Analytical Thinking

PROFESSIONAL EXPERIENCE

Engineer – TATA Elxsi Limited, Bengaluru, India | Dec 2024 – Present

➔ Contributed to a PoC project by integrating frontend, backend, and AI agents using Model Context Protocol.

➔ Built a browser automation agent with Claude Sonnet 3.7 and Playwright.

➔ Took ownership of DevOps tasks: Dockerized multiple services, deployed the system locally using Kubernetes (Minikube) and Ingress, and configured Nginx for traffic management.

➔ Set up and maintained a Jenkins CI/CD pipeline to automate Gerrit pulls, Docker image builds, and pod deployments.

Freelance Full Stack Developer | June 2024 – Dec 2024

➔ Developed a mutual funds website using MERN stack with Supabase (PostgreSQL), React for frontend, and Node.js/Express for backend APIs; tested using Postman.

➔ Built an internal eyecare web app with a billing system, an admin dashboard, and a WhatsApp-integrated membership feature using automation APIs.

➔ Delivered secure, modular, and user-friendly solutions tailored to business needs.

PROJECTS | 2021-2024

➔ Presifit – Health App with Step Counter & Leaderboard: Led a team of 4. Delivered it on time.

➔ Sports Winner Predictor & News Aggregator: 80% accuracy; integrated real-time News API.

➔ Python CLI Weather App: Secure bcrypt auth; MySQL-backed history tracking.

➔ Tkinter GUI with MySQL: Sign-up/login system; 30% data handling efficiency gain.

EDUCATION

B.Tech in Computer Science and Engineering (AI & ML Specialization)
Presidency University, Bengaluru | June 2024 | CGPA: 8.2 / 10

12th Grade (Science) | 88%
10th Grade | 95%
Relevant Coursework: DSA, Algorithms, ML, Deep Learning, Web Dev, Cloud Computing

CERTIFICATIONS

[Complete MLOps Bootcamp With 10+ End-to-End ML Projects - Udemy](#)

[Intermediate Machine Learning – Kaggle](#)

[Machine Learning Certification – Udemy](#)

[Pandas for Data Science – Kaggle](#)

EXTRACURRICULAR

➔ District-level U-19 Football Player; Captain of College Team

➔ Multiple Olympiad Medalist – Analytical and Logical Reasoning

➔ Was an active participant in the Exhibitions held at school