Pratham P Shetty

Mangaluru, Karnataka

📱 +91 9482169917 | ✉️ prathampshetty99sai@gmail.com | github.com/PrathamPShetty

linkedin.com/in/pratham-p-shetty-a46675298

SUMMARY

Engineering student specializing in Artificial Intelligence and Full-Stack Development. Experienced in building scalable, data-driven applications and integrating AI solutions. Skilled in designing and deploying end-to-end systems with a focus on efficiency, reliability, and user experience. Passionate about contributing to impactful, innovative projects.

SKILLS

Languages:	Python, Java, JavaScript, TypeScript, Dart, Kotlin
Frameworks:	Django, Flask, React, Next.js, Angular, Nest.js, Express.js, Flutter, JetPack Compose, FastAPI, REST Framework
Databases:	MongoDB, PostgreSQL, SQL, Firebase
DevOps & Tools:	Docker, Nginx, Azure VPS, Postman, GitHub, Google Firebase, PlayStore Console, Swagger, RabbitMQ, Microservices
AI/ML:	NLP, LangChain, LangGraph, RAG, Computer Vision (YOLOv8, OpenCV)

EXPERIENCE

Research Intern – NITK Surathkal, India   *Jan 2025 – Sep 2025*

– Researched computer vision models and optimized YOLOv8 pipelines for real-time object detection.
– Converted PyTorch models to ONNX, improving inference speed by 15%.
– Integrated AI modules into research workflows with faculty guidance.

Software Developer – Thaniya Technology, Mangalore   *May 2023 – Present*

– Optimized backend APIs (FastAPI, Django, Node.js), boosting performance by 40%.
– Built responsive React interfaces and secured authentication with role-based access control.
– Collaborated with 5+ developers to enhance product reliability and user experience.

Cybersecurity Intern – Swizosoft, Mangalore   *May 2024 – Jul 2024*

– Secured 50+ cloud instances and automated monitoring pipelines, improving efficiency by 60%.

PROJECTS

SIT Mangalore App (Flutter, Appwrite)

– Created a mobile app for 1,500+ students and faculty, reaching 1,000+ downloads.
– Integrated Appwrite authentication, reducing login time by 30%.
– **Link:** Google Play Store

Offline-First Store App (Jetpack Compose, Nest.js, PostgreSQL, SQLite)

– Built an offline-first inventory and billing app using Jetpack Compose with local SQLite storage.
– Implemented cloud sync using Nest.js and PostgreSQL, enabling seamless data updates when online.

– Designed conflict-free sync logic with queued offline actions and background workers.

SIT Alumni Portal (Next.js, Tailwind CSS)

– Planned and launched a real-time alumni portal for 5,000+ graduates with 40% higher engagement.
– **Link:** SIT Alumni Portal

Tulunad Diaries (Nest.js, React, Swagger)

– Developed and deployed a modern newspaper platform, boosting reach by 40% through SEO.
– **Link:** Tulunad Diaries

Raspberry Pi Logging System (Python, Next.js)

– Planned a secure session management system, improving log efficiency by 60%.
– **Link:** Library Logs

Ceyone Foundation (Next.js, Tailwind CSS)

– Developed an NGO platform connecting donors and volunteers, increasing engagement by 35%.
– **Link:** Ceyone Foundation

Sit-Slot System (Django, HTML, CSS)

– Enhanced scheduling efficiency by developing a booking system that reduced errors by 90% for 100+ faculty.
– **Link:** Sit-Slot System

AI Resume Analyzer (Python, NLP, FastAPI, Streamlit)

– Created an automated resume screening tool, cutting processing time by 50%.
– Built a FastAPI backend analyzing 1,500+ resumes daily.
– **Link:** GitHub Repository

Emergency-Wave App (Flutter, Express.js)

– Developed a real-time ambulance management app, reducing response time by 30%.
– Improved backend scalability to handle 1,000+ daily API requests.

Service Management App (FastAPI, Flutter, Ollama)

– Created an AI-enabled service platform with secure payment integration.
– Secured **1st place at SRINATHON 2024 (National Hackathon)**.
– **Link:** GitHub Repository

EDUCATION

2022 – 2026	**B.E. in Artificial Intelligence & Machine Learning**, Srinivas Institute of Technology, Mangalore	CGPA: 8.6
2020 – 2022	**PUC (PCMB)**, Sri Sathya Sai Loka Seva P.U. College, Alike	Percentage: 81.5%
2019 – 2020	**SSLC (10th)**, Burooj English Medium High School	Percentage: 80.8%

KEY ACHIEVEMENTS

- **Srinathon 2024 Winner:** Developed a service platform that improved efficiency by 50%.

- **Top 5 – Blockchain Hackathon:** Ranked top 5 among 30+ teams at Sahyadri College.

- **Top 10 – AI Project:** Selected among top teams in AI hackathon at RV College; invited to Intel workshop.

- **2nd Place – SPRINTHACK 2025:** Won second place in AI & DS department hackathon at SIT.

LANGUAGES

English, Kannada, Tulu, Hindi