

SAMARTH H SHETTY

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OBJECTIVE

Motivated and detail-oriented engineering student with a strong foundation in full-stack development, AI/ML, and software design. Seeking opportunities to learn, grow, and delve deeper into various technologies and domains while also making meaningful and impactful contributions along the way.

EDUCATION

B.Tech, Artificial Intelligence and Machine Learning, NMAM Institute of Technology Expected 2026
CGPA: 9.4

Pre-University, Vidyodaya Pre-University College 2022
Aggregate: 95.5% - Karnataka State Board

Secondary School, Vidyodaya Public School 2020
Aggregate: 95.33% - Indian Certificate of Secondary Education

SKILLS

Languages	C/C++, Java, Python, JavaScript, TypeScript
Tools	Git, Docker, CI/CD Pipelines(GitHub Actions)
ML/AI Frameworks	TensorFlow, Keras, scikit-learn, OpenCV, NumPy, Pandas
Frontend Technologies	React.js, Next.js, Node.js, SvelteKit, React Native, TailwindCSS
Backend Technologies	REST, Express, tRPC, MongoDB, Firebase, PostgreSQL, GraphQL

EXPERIENCE

Full Stack Developer Intern Jun 2025 - Jul 2025
Inspirante Technologies Pvt. Ltd.

- Developed an e-learning platform for medical students, enabling course access, quizzes, and certification workflows using Node.js, Next.js App Router, and GraphQL API.
- Used Prisma ORM with Pothos GraphQL schema builder to define scalable database models with strict type safety.
- Built a JWT-based custom authentication and authorization system supporting various types of user roles.

PROJECTS

Incridea - Developed a quiz and jury evaluation module for a large cultural event using GraphQL and Next.js. Enabled paperless workflow and reduced coordination complexity through intuitive UI/UX and efficient backend operations. ([Test it out here](#))

Hackfest - Built a dynamic 3D registration and payment platform using Next.js, Three.js, and tRPC for a national hackathon. The emphasis was on scalability and reliability while working in a fast-paced, collaborative environment with developers and organizers. ([View here](#))

VolunTech - Led the development of a real-time disaster response app using React Native and Firebase. Integrated push notifications and live task updates. Collaborated with a team to ensure responsiveness, performance, and usability in high-pressure use cases.

Dynamic Traffic Control - Designed and trained an RL system with Tensorflow to optimize traffic light control by dynamically adjusting signal phases and minimizing waiting time. Integrated with SUMO through the TraCI API for real-time simulation and visualization.