G Shashi Preetham

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Professional Summary

B.Tech Computer Science student with strong technical skills in software development, machine learning, and full-stack web technologies. Proficient in Java, Python and LLM-based solutions. Demonstrated leadership in building end-to-end AI systems, collaborating across teams, and solving real-world problems. Eager to apply a growth mindset and contribute to innovative, customer-centric engineering teams.

Education

Neil Gogte Institute of Technology

Bachelor of Engineering, Computer Science.   GPA :7.73
Graduation Date:2022 – 2026 (Expected)

Experience

Research Intern – DRDO RCI (Research Centre Imarat), Hyderabad Github

May 2025 – July 2025

- Developed an autonomous drone navigation system using AirSim and PPO reinforcement learning..
- Trained navigation policies using Stable-Baselines3 for obstacle avoidance in simulated environments.
- Designed reward functions and tuned hyperparameters to optimize flight behavior in complex scenarios.

Projects

Machine Learning Researcher (Personal Project) Github

NOVEMBER 2024 – FEBRUARY 2025

- Designed a deep learning-based anomaly detection system using Transformer architectures for time-series data.
- Implemented Python, TensorFlow, and PyTorch to build a high-accuracy model for finance, healthcare, and cybersecurity domains.
- Enhanced real-time anomaly identification through advanced data preprocessing techniques.

Agro – AI-Powered Farming Platform(Team Lead) Github

MARCH 2025 – MARCH2025

- Led a 3-member team to build a full-stack AI farming platform using Python, TensorFlow, and React.js.
- Designed a API with JWT authentication and integrated MongoDB for scalable data storage of farmer profiles, soil reports, and marketplace transactions.
- Deployed a chat-bot (NLP) and live weather dashboard using Open-weather API, improving user engagement by 40% through real-time decision support.

Certifications & Achievements

Bits Techxcelerate 2025 | Bits Pilani

Built Agro, an AI-based smart farming prototype selected in the AI/ML track.

Amazon Smbhav Hackathon 2024 | Amazon

Created SYNKRO, an AI platform for SMBs using React and Python; placed in top 20% out of 100,000+ teams.

Temenos Tem-(E)-Thon 2025 | Temenos

Designed a Carbon Footprint Tracker with real-time analytics; selected in the top 30 teams from 3100+ participants.

Technical Skills

Python, Java, JavaScript, Node.js,SQL, Docker,TensorFlow, PyTorch, Tableau, MongoDB, NLP, LLMs.