Rithvik Santosh Shetty

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Objective

To pursue advanced studies in Computer Science with a focus on Artificial Intelligence and user-centered system design. Aims to strengthen technical depth while contributing to practical, impactful solutions through interdisciplinary problem solving. Intends to build a career in research and development within AI-driven solutions.

Education

SIES Graduate School of Technology, BE in Artificial Intelligence and Machine Learning
2022 – 2026
• GPA: 6.31/10
• **Coursework**: Computer Vision, NLP, Data Visualization, Web Technologies, AI/ML, Game Theory, Deep Learning.

Projects

SeaGuard – Fishermen Safety & Navigation App   Sept 2025
Team size: 6
• Designed and developed a mobile-first app to improve maritime safety for fishermen through weather alerts, navigation support, and SOS automation.
• Won HackCelestial 2.0 and showcased under ISRO leadership.
• **Tools**: React Native, FastAPI, Figma, Twilio Integration.
• **GitHub Repository:** github.com/rithvikshettyy/SeaGuard

AutoPharmaX – Cancer Drug Response Prediction   July 2025
Team size: 4
• Built a machine learning pipeline to predict cancer drug response using preprocessing, feature engineering, and model tuning.
• Implemented an interactive Streamlit app for predictions and visual analytics.
• **Tools**: Python, scikit-learn, XGBoost, Streamlit, Pandas, NumPy.
• **GitHub Repository:** github.com/rithvikshettyy/autopharmax

PayFikr – AI-Powered Financial Coaching System   Nov 2025
Team size: 4
• Developed an AI-based financial advising system analyzing user spending, income variations, and budgeting patterns.
• Integrated web UI and chatbot system using WhatsApp/Telegram for accessibility.
• **Tools**: Python, NLP tools, FastAPI, Figma.

Experience

Python Developer Intern, Ion Chemicals – Navi Mumbai   Jan 2025 – Apr 2025
Project/Role:
• Built anomaly detection system for industrial pipelines using OpenCV and Python.
• Performed real-time data analysis and collaborated with engineering teams.
• Collaborated with the engineering team to explore integration of the solution into existing workflows.
• Presented outcomes for internal review, supporting potential adoption of the project for future operations.

Design Intern, Irsya – Mumbai   Sep 2023 – Jan 2024
Project/Role:
• Contributed to brand identity, visual communication, and early-stage fashion product designs.
• Supported marketing materials, product styling, and online presence development.
• Contributed to the successful launch of the startup's product, strengthening its initial presence in the market.

Publications/Research/White Papers

TRUE TONE: A Novel System for Audio Authentication
Developed a machine learning system that detects deepfake and manipulated audio by analyzing vocal features for secure speech authentication.

Positions of Responsibility

Secretary, Technical Team   *SIES GST | 2025–2026*
• Managed coordination of technical events, hackathons, and workshops.
• Provided technical guidance to students, fostering skill development and active participation within the organization.
• Ensured smooth operations by handling logistics and problem solving.

Design Lead, TEDxSIESGST   *SIES GST | 2025–2026*
• Directed the design team in creating promotional graphics, stage visuals and communication assets.
• Collaborated with organizers, speakers and media teams to deliver clear, engaging and audience-focused design outputs.

Vocalist, Aaroha Music Club   *SIES GST | 2025–2026*
• Promoted music culture on campus by encouraging student creativity and participation.
• Collaborated with musicians for stage-ready performances.

Joint Secretary, Rotaract SIESGST   *SIES GST | 2024–2025*
• Led community outreach activities and coordinated team responsibilities.
• Managed communication between team leads to ensure smooth operations.
• Coordinated community service initiatives and member involvement.

Social Media Lead, E-cell SIESGST   *SIES GST | 2024–2025*
• Managed social media presence to boost engagement and event visibility.
• Created promotional content and coordinated timely campaign posts.

Technical Skills

Languages: Python, JavaScript, HTML, CSS
Technologies: React Native, FastAPI, Streamlit, PyTorch, YOLOv8, Scikit-learn, XGBoost, Pandas, NumPy, OpenCV, Figma, Adobe Illustrator, Photoshop

Languages

Languages: English (proficient), Kannada (native), Tulu (fluent) Hindi (fluent), Marathi (flluent)