

Tamanna Grover

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EDUCATION

SRM Institute of Science and Technology

BTech in Computer Science and Engineering

2022 – 2026

CGPA: 9.6/10

EXPERIENCE

IIT Madras, Research Intern

May 2024 – Oct. 2024

- Contributed to the development of an operating system for SHAKTI, India's first Indigenous Microprocessor, under Dr. V. Kamakoti, Director of IIT Madras.

SETV Global, Computer Vision Engineer

Jun. 2023 – Jan. 2024

- Researched on CT scans and lung cancer for six months and developed a powerful deep learning model for lung cancer detection via CT scans.

NOTABLE SELECTIONS

NIT Rourkela, AI-Engineer Internship

May 2024

- Selected as an intern at NIT Rourkela for the SIP (Summer Internship Program) under Dr. Mirza Khalid.

MEITY, Digital India Internship Scheme

June 2024

- Selected from nationwide applicants for one of 20 projects to develop and analyze public policies on internet and application launches pertaining to BIS standards.

Reliance Jio, Network Engineer

May 2024

- Selected as an intern at Reliance Jio as a Network Engineer for the 5G Architecture Department.

PROJECTS

Financial Fraud Detection

- Developed a QML-based fraud detection system by integrating ML algorithms and quantum principles, leveraging finance expertise to optimize the model for real-world fraud detection and improve prediction accuracy.

E-YANTRA: IIT Bombay

- Active member of IIT's e-Yantra lab, contributing to multidisciplinary projects with Lab-in-a-Box.
- Achieved Top 25 ranking nationally in IIT Bombay's Lab Automation Hackathon.

ACHIEVEMENTS

Comprehensive IoT-Driven Home Automation: Research Publication: Presented at International Conference on Innovations in Computer Science (ICICS) 2025. Focused on designing an IoT-based smart home automation system leveraging Raspberry Pi, Blynk IoT, and Google Assistant for improved energy efficiency and convenience.

Intel AI PC Hackstorm Challenge Winner

Temenos Hackathon: Awarded "Best Woman Coder" at K! Hacks with a 10K cash prize and a special track prize for the project.

SIH (Smart India Hackathon) 2023: Selected from 200+ teams as internal hackathon winner; developed 'Underwater ROV' for underwater crack detection, a multi-disciplinary project using CV, AI, and Robotics.

IET Scholarship Awards 2023: Among top 45,000 applicants for IET Scholarship; built 'GeriCare+' prototype for health monitoring in elderly patients.

SheASPIRE'24 IEEE Solo Hackathon Winner: Secured 2nd position at IEEE VSSUT Smart City Hackathon for developing a unique solution to tackle urban growth hazards.

POSITIONS OF RESPONSIBILITY

Administrator, GitHub Community SRM

Jun. 2023 – Present

- Promoted to Lead and later Administrator of the GitHub Community within the first year.
- Youngest admin and sole female promoted to lead position; initiated multiple open-source projects.

Book Reviewer

Mar. 2023 – Present

- Selected and featured as one of 20 reviewers worldwide by Author Jay Wengrow to review and contribute to his famous sequel: *A Common Sense Guide to DSA*.

SKILLS

Languages: C, C++, Python

Cloud/Databases: Azure, Firebase, SQL

Developer Tools: Linux, Git

Frameworks and Tools: Flask, PyTorch, Tensorflow

Technologies: Machine Learning, Deep Learning, Generative AI, Embedded Systems

Soft Skills: Team Player, Analytical Skills, Problem-Solving, Communication, Time Management