

Tanish Poddar

ABOUT ME

I am a second-year B.Tech Computer Science Engineering student at SRM Institute of Science and Technology, Kattankulathur. I have a strong foundation in Web-Dev, Android-App-Development with Kotlin, Python Dev and graphic designing. I am passionate about leveraging my technical skills to solve real-world problems and create innovative solutions.

EDUCATION

SRM Institute of Science and Technology, KTR

Kattankulathur, India

B.Tech in Computer Science Engineering

2023 – 2027

- Relevant coursework: Data Structures, Algorithms, Database Management Systems, Operating Systems

Mother's Global School

New Delhi, India

High School, Science with Computer Science

2011 – 2023

CERTIFICATIONS

Accelerated Computer Science Fundamentals

Apr. 2024

University of Illinois Urbana-Champaign

Cybersecurity for Everyone

Feb. 2024

University of Maryland

AWS Academy Cloud Foundations

Sep. 2023

Amazon Web Services

EXPERIENCE

Core Team Member, Networking Nexus Club

2024 – Present

SRM Institute of Science and Technology

Kattankulathur, India

- Organized an IoT workshop attended by over **120** participants, generating **15%** growth in club revenue.
- Collaborated with **6** cross-functional teams to execute industry and departmental projects successfully.
- Increased project success rate by **25%** by streamlining workflows and integrating advanced IoT tools.
- Led and mentored a team of **10** students, enhancing technical expertise and ensuring timely project delivery.
- Partnered with faculty and industry professionals to deliver high-impact training sessions and workshops.

PROJECTS

LogiTrack – Inventory Management System

- Improved warehouse inventory distribution efficiency by **40%** through real-time optimization and analytics.
- Enabled faster decision-making with interactive dashboards built using Python and Streamlit.
- Reduced order fulfillment errors by **30%** with automated allocation suggestions and real-time status updates.
- Integrated multi-warehouse optimization & cost-effective distribution algorithms for better supply chain visibility.
- Enhanced operational insights via geographic route visualization and supplier performance tracking.

Aegis Shell – Autonomous Environment for Guided Installation & Support (in development phase.)

- Reduced developer setup time by **70%** by automating command detection, installation, and permission handling.
- Minimized tool configuration issues through intelligent version control and auto-fix capabilities.
- Built a custom smart shell for Windows, integrating LLM-powered fallbacks for edge-case resolution.
- Delivered a seamless support experience for developers and sysadmins with real-time command assistance and error fixes.
- Designed with future cross-platform support, targeting Windows first and Mac expansion.

PosturePro

- Achieved **90%** reduction in ergonomic issues for users by providing instant posture feedback.
- Improved user productivity by **20%** through continuous real-time posture correction.
- Developed a system leveraging Python, Mediapipe, and OpenCV for posture analysis.
- Integrated Streamlit for creating an interactive user interface and real-time data visualization.

Verschlüssel-Entschlüssel

- Increased security of text-based communication with a user-friendly encryption and decryption tool.
- Streamlined secure text encoding for non-technical users, boosting usage by **35%**.
- Built a GUI using Python and Tkinter, ensuring ease of use and intuitive navigation.
- Deployed a Streamlit-based web application for text encryption and decryption.

Celestial Weather App

- Provided accurate weather forecasts to over **100** users with real-time data integration.
- Achieved high user engagement by delivering fast, responsive weather updates.
- Implemented weather data retrieval using OpenWeatherMap API.
- Built the interface with HTML, CSS, and JavaScript for optimal user experience.

ShareAcademia

- Enhanced student academic data management, reducing processing time by **50%**.
- Improved accuracy in attendance and GPA calculations by automating manual processes.
- Developed the backend with Java and JDBC for database integration.
- Built an intuitive GUI using Java Swing, ensuring easy data entry and reporting.

AWARDS & ACHIEVEMENTS

HackSummit 4.0 Finalist - 2023

- Secured finalist position among **150+** competing teams, demonstrating exceptional problem-solving capabilities.

Smart India Hackathon Internal Round Finalist - 2023

- Advanced to internal round finals, competing against **50+** teams with innovative technological solutions.

Project Expo Showcase - PosturePro - 2024

- Successfully demonstrated PosturePro to **200+** attendees, receiving **95%** positive feedback on innovation and practical application.

DayZero Hackathon - 3rd Place (CodeNex SRMIST) - 2025

- Secured **3rd place** among competing teams by presenting **Aegis Shell**, a smart shell with guided installation and AI-driven troubleshooting.

SKILLS

Programming Languages: Python, Java, Kotlin, JavaScript

Frameworks: React, Node.js, Express.js, Bootstrap, TypeScript

Databases: MongoDB, MySQL, SQLite3

Tools: Git, Streamlit

LANGUAGES

English: Full-Working Proficiency Level

Hindi: Native Proficiency (Mother tongue)

Spanish: Elementary Proficiency

Sanskrit: Elementary Proficiency

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