Heet Shah

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EDUCATION

Sardar Patel Institute of Technology — Mumbai, Maharashtra
B.Tech in Computer Engineering — *2023-2027*
- Minor in Banking Technology
- CGPA-8.9

St. Joseph's junior college — Mumbai, Maharashtra
XII: 89.83% — *2021–2023*

EXPERIENCE

IEEE Creatives Subcommittee Member — August 2023 – May 2024
Sardar Patel Institute of Technology — *Mumbai, MH*
- Created posters and ground decorations for BugBuster 2024.
- Part of operations team for multiple technical events.

PROJECTS

School Volunteer Connect Platform | *MERN Stack, Gen AI* — Apr 2025 - Present
- Created a platform connecting under-resourced schools with volunteers using real-time **video calling** and **DM**.
- Used **Generative AI** to auto-generate PPTs and quizzes from textbooks/syllabus.
- Added **in-session/post-session quizzes**, feedback, and scheduling modules.

Technical Paper Search Engine | *Java, JavaFX, API Integration* — Feb 2025 – Present
- Built a **search engine** to fetch research papers from multiple APIs (e.g., arXiv).
- Designed an intuitive **JavaFX UI** for efficient searching and filtering.
- Optimized **data retrieval** and **asynchronous API requests** for performance.

Client-Server Chat Application | *Java, Sockets, Multithreading* — Jan 2025 – Feb 2025
- Developed a **real-time LAN chat system** with multithreading for multiple users.
- Implemented **file transfer** and **secure messaging** over the network.

Stock Market Prediction | *Python, Tkinter, scikit-learn, SQLite3* — Sep 2024 – Dec 2024
- Built a **RandomForest model** to predict stock trends using financial indicators and news sentiment.
- Developed a **Tkinter UI** for stock selection and interactive visualizations.
- Managed **182K+ data points** efficiently with SQLite3.

SKILLS

Languages: Java, Python, C, SQL (MySQL, SQLite, PostgreSQL)
Frameworks: JavaFX, Tkinter, Express, Node.js
Tools: Git, Visual Studio, PyCharm, IntelliJ
Libraries: pandas, NumPy, Matplotlib

COMPETITIVE PROGRAMMING

Codeforces: 1049 Rated
LeetCode: 250+ Questions solved

ACTIVITIES & VOLUNTEERING

Community Project: Python Bootcamp and Career Guidance Mentor — May 2024 – June 2024
- Conducted a Python bootcamp for 50 students from 9th and 10th grades.
- Provided career guidance on college streams and future paths.

Volunteer: E-Summit 2024, E-Cell — March 2024
Sardar Patel Institute of Technology — *Mumbai, MH*
- Assisted operations of a 3-day entrepreneurship summit organized by E-Cell.
- Managed event logistics to ensure smooth scheduling.
- Contributed to creating an engaging experience for attendees.