HEET SHAH

Mumbai, Maharashtra

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OBJECTIVE

Enthusiastic and detail-oriented B.Tech Computer Engineering student with a strong foundation in Python, machine learning, and SQL. Passionate about solving real-world problems through data-driven approaches and software engineering. Seeking an opportunity to contribute to impactful projects leveraging cloud technologies, big data, and analytics.

EDUCATION

Sardar Patel Institute of Technology, Mumbai B.Tech in Computer Engineering (-2027)   2023

- Minor: Banking Technology

- CGPA: 8.9

St. Joseph's Junior College, Mumbai HSC (-2023) - 89.83%   2021

EXPERIENCE

IEEE Creatives Subcommittee Member Sardar Patel Institute of Technology,   Aug 2023 - May 2024

Designed marketing material and stage decor for BugBus and other technical events.   ter 2024

- Collaborated with cross-functional teams to enhance visual branding and logistics coordination.

PROJECTS

School Volunteer Connect Platform   Apr 2025 - Present
- MERN Stack, Generative AI, Docker, AWS

- Architected and deployed a web platform connecting under-resourced schools with volunteers via real-time video and

- Integrated Generative AI to auto-generate instructional PPTs and quizzes based on curriculum input.

- Developed scheduling, feedback analytics, and performance modules enhancing user retention by 35%.

- Deployed modules on AWS and containerized with Docker for scalability and reliability.

Technical Paper Search Engine   Feb 2025 - Present
- Java, JavaFX, API Integration

- Engineered a cross-platform desktop app fetching scholarly articles from arXiv and similar APIs.

- Designed responsive UI in JavaFX with dynamic filtering, keyword highlighting, and async fetch.

- Optimized retrieval latency by 60% using multi-threaded requests and caching techniques.

Client-Server Chat Application   Jan 2025 - Feb 2025
- Java, Sockets, Multithreading

- Developed a real-time LAN messaging system supporting multiple users via socket programming.

- Enabled secure file sharing and chat encryption using custom protocols and thread-safe buffers.

Stock Market Prediction System   Sep 2024 - Dec 2024

- Python, Tkinter, scikit-learn, SQLite3

- Created a machine learning pipeline using Random Forests to predict Nifty 500 stock trends.

- Built a user-friendly Tkinter GUI allowing interactive charting and historical trend visualization.

- Managed 182K+ records efficiently with SQLite3, achieving 78% accuracy in trend prediction.

SKILLS

- Languages: Python, Java, C, SQL (MySQL, SQLite, PostgreSQL)

- Frameworks: JavaFX, Tkinter, Express.js, Node.js

- Libraries & Tools: pandas, NumPy, Matplotlib, scikit-learn, Git, Docker, Visual Studio, PyCharm, IntelliJ

- Cloud & DevOps: Familiar with AWS, Docker, version control, and agile practices

- Other: Data Analytics, OOP, Networking Concepts, Multithreading, Database Management

- Competitive Programming:

- Codeforces: 1049 Rated

- LeetCode: 250+ Questions Solved

VOLUNTEERING

Python Bootcamp & Career Mentor

May 2024 - Jun 2024

- Delivered Python programming sessions to 50+ school students from underrepresented communities.

- Offered personalized mentorship and college guidance to improve STEM outreach.

E-Cell Volunteer - E-Sum   mit 2024

Mar 2024

- Led logistics and on-ground coordination for a 3-day entrepreneurship summit.

- Ensured seamless scheduling and attendee engagement across multiple venues.

ADDITIONAL HIGHLIGHTS

- Familiar with SDLC, agile methods, and collaborative development environments

- Passionate about building educational tools, research utilities, and socially impactful software

- Strong written and verbal communication; proven team contributor in hackathons and college clubs

References available upon request.