

TEJAS SHETH

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SUMMARY

Inquisitive, energetic soon-to-be computer science graduate skilled in leadership, with a strong foundation in mathematics, logic, and cross-platform coding. Seeking to leverage solid skills in collaboration, communication, and development.

EDUCATION

- A. P. Shah Institute of Technology, University of Mumbai** Thane West, India
Bachelor of Engineering - Computer Engineering; GPA: 9.55
Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking and Network Security, Databases, Software Engineering, Theoretical Computer Science, Microprocessor, Machine Vision
July 2019 - Present
- People's Education Society Trust, High School & Jr. College** Thane East, India
Maharashtra State Board - Science; Percentage: 88.62%
Courses: Physics, Chemistry, Mathematics, Computer Science, English
April 2018 - May 2019

SKILLS SUMMARY

- Languages:** Python, C, C++, JavaScript, SQL, JAVA, HTML, CSS
- Frameworks:** Scikit, TensorFlow, Keras, Django, Flask, NodeJS, GitHub
- Tools:** Docker, GIT, MySQL, SQLite, VS Code, Android Studio
- Platforms:** Linux, Web, Windows, AWS, Google Cloud Platform
- Soft Skills:** Time Management, Leadership, Critical Thinking, Problem Solving, Public Speaking
- Certifications:** Python for Everybody, Palo Alto Networks Academy, CyberSecurity Foundations, Cybersecurity Virtual Internship, AI ML Virtual Internship

EXPERIENCE

- Mosaic Wellness Pvt. Ltd.** Mumbai, India
Tech Intern (Full-time) June 2022 - July 2022
 - Responsibility:** Tasked with building a Component Library for React and Software Development of BodyWise and ManMatters.
 - Technologies Used:** ReactJS, TypeScript, JavaScript, NodeJS, Figma, Slack
- NSP Ites Pvt. Ltd.** Remote
Machine Learning Intern (Part-time) July 2021 - January 2022
 - Responsibility:** Creating data sheets and analysing them from scrapping website's and WhatsApp Automation.
 - Technologies and Tools Used:** Python, Selenium, BeautifulSoup, Tkinter
- APSIT SKILLS Internship Program** Remote
Intern (Part-time) July 2020 - September 2020
 - Responsibility:** The program covered various technological domains including Python, Databases, Web Development and a capstone project.
 - Technology Used:** Python, MySQL

PROJECTS

- Detection of SQLi Vulnerability using RL Agents** | *Python, Machine Learning, Cyber Security* July 2022 - Present
Comparative analysis of different Machine Learning algorithms for detecting SQL Injection vulnerabilities and to implement a Reinforcement Learning model to mitigate the risks of unforeseen injection attacks.
- Reverse Image Querying** | *Python, Image Processing* January 2022 - May 2022
Implemented and improvised a rudimentary yet efficient solution by using the cosine similarity model to extract similar images for the given input image from the user. The resulting web application can be utilised to act as a reverse image search engine as a standalone application or can be embedded as a sub-module in a larger application.
- Student Performance Analysis** | *Python, Machine Learning* July 2021 - December 2021
Implemented a Machine Learning model that predicts the marks obtained by a student in their final semester via regression methodology. It also serves as a basic criterion for institutions to monitor the quality of education provided. The model considers factors such as previous academic record, attendance, socioeconomic background, etc
- Expense Manager** | *Java Swing, MySQL* January 2021 - May 2021
Developed a Java-based Application for managing day-to-day expenses, allowing the user to keep a track of his/her debited and credited amounts on a regular basis. Also, to notify user if he/she crosses a threshold amount and thus helping them in maintaining their balance and expenses within set boundaries.

PUBLICATIONS

- N. Joshi, **Tejas Sheth**, V. Shah, J. Gupta and S. Mujawar. *A Detailed Evaluation of SQL Injection Attacks, Detection and Prevention Techniques*. 2022 5th International Conference on Advances in Science and Technology (IEEE-ICAST), Mumbai, India, 2022, pp. 352-357, doi: **10.1109/ICAST55766.2022.10039662**
- J. Anap, P. Hambar, H. Patel, **Tejas Sheth**, and R. Nikam. *Reverse Image Querying*. International Journal for Research in Applied Science and Engineering Technology (IJRASET), Volume 10, Issue VI:Page No: 4216–4221, ISSN: 2321–9653, June 2022. DOI: **doi.org/10.22214/ijraset.2022.44822**

VOLUNTEER EXPERIENCE

- **Smart City Club at Dept. of Computer Engineering, APSIT** On-Campus
Volunteered at the events organized by the club. July 2022 - Present
- **Fundraising at Odisha Development Management Programme (ODMP)** Online
Communicating with the society for relief and hygiene support and raising funds. July 2022
- **Anti Ragging Committee at APSIT** On-Campus
Designed strategies and action plans for curbing the menace of Ragging. 2021 - Present
- **Grievance Redressal Committee at APSIT** On-Campus
Handled and settled grievances lodged by any student by judging their merits. 2021 - Present
- **Blood Donation Ambassador at BloodConnect** Online
Aimed at eliminating the shortage of blood in the country. December 2021
- **Safe City Safety Champion Campaign at RedDotFoundation** Online
Aimed at making cities safer through the use of crowd sourced data and technology. December 2021
- **Mentoring at APSIT Skills** Online
Tasked with guiding students with their coursework for Internship at APSIT Skills. July 2021 - September 2021
- **Volunteer at APSIT Disha Portal** Online
Aimed at providing an Online Test environment with practice tests for JEE and CET aspirants. May 2020