Tanay Kashyap

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TECHNICAL SKILLS

C/C++, Python, Java, JavaScript, ReactJS, Tailwind CSS, Bootstrap CSS, NodeJS, Django, MySQL, SQLite, PostgreSQL, Pytest, Selenium, AWS, GTests, Git, Github, Flask, Puppeteer, Netlify, Linux, Restful APIs, Docker

TECHNICAL PROJECTS

Cloud Load Balancer | *Java, JavaFX, Apache Maven, Docker, NetBeans, AWT, SQLite*
- Used Java Maven to develop a cloud storage simulator allowing users with CRUD functionalities and to upload their files to cloud storage while restricting access to different users. Provides **separate admin and user panel**
- Improved load balancer efficiency by implementing **FCFS and SJN algorithms by 15%.**
- Enhanced performance and added detailed view functionality, increasing workflow efficiency by 25% also added 30 ms delay to simulate real life latency.
- Introduced **file chunking** and increased security by 35% using **AES encryption to encrypt and decrypt** passwords and file chunks.

Accommodate Me | *Python, Selenium, Beautiful Soup, Flask, MySQL, HTML, JavaScript, Tailwind CSS*
- Engineered a Selenium-based automation tool to search for the best accommodations in a city, integrating data extraction, storage, and analysis, including 1000+ cities.
- Amplified the number of accommodation listings analyzed by 150%, providing a more comprehensive dataset for decision-making.
- Eliminated 90% of manual errors through automated data extraction and validation.
- Integrated data extraction, storage, and analysis, accelerating search speed by 50%.

Filter Out | *Python, Flask, FastAPI, REST API, Selenium, Docker, AWS, NLP, Scikit-learn, Pandas, NumPy, Git, Kaggle*
- Designed and implemented an end-to-end toxic comment detection system that scrapes social media post comments from user-provided URLs, **successfully processing over 1,000 comments per request** using BeautifulSoup and Selenium.
- **Developed and deployed a RESTful API** automate comment extraction and real-time toxicity classification, reducing manual moderation effort by up to 90% and enabling **response times under 500ms per request.**
- Integrated a **machine learning model** trained on Kaggle dataset, **achieving 92% accuracy and 88% F1-score** in detecting toxic language and effectively flagging users with potential harmful behavior.
- Containerized the complete application using Docker and **deployed on AWS EC2,** handling concurrent API requests from up to 50 users per second with minimal latency

Team GarVIT Website | *ReactJS, Bootstrap CSS, SQLite Netlify*
- Innovated and built a fully functional website from scratch, enhancing the team's online presence.
- Secured a 20% increase in the number of sponsors through an improved web presence.
- Deployed the project using Netlify, achieving over 270 unique visitors in the past six months.

CERTIFICATIONS

Computer Networking — *Google*   Jan 2024

LEADERSHIP & ACHIEVEMENTS

- Achieved a peak **LeetCode rating of 1737** with **520+ problems solved** across platforms, showcasing strong problem-solving ability. Completed **365 days** of coding.
- **Team Garvit:** Vice Captain, Head of Software Development Cell, Designed and Coded RTD System
  - Won AIR 2 in sales eBAJA 2024
  - Won AIR 1 in sales eBAJA 2025
- **Open Source Contribution:** Active contributor of GSSOC '24. Projects contributed:
  - **Gamezone:** Added two games - Spell Bee and Sand Tetris.
  - **Resumave:** Used ReactJS to apply limits on the number of characters in the Summary Section and reduced garbage request conversion.
- College Finalist in Smart India Hackathon 2024

EDUCATION

VIT Bhopal University	2022 − 2026
B.Tech. in Computer Science and Engineering	*CGPA: 8.61 / 10*
New Horizon School	2021
Class XII (CBSE)	*Percentage: 82.2%*
Saint Joseph's School	2019
Class X (ICSE)	*Percentage: 94.8%*