SHIVAM JAISWAL

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github.com/shivam-jaiswal-2002

Skills

Programming Languages: Java, CPP, C, Javascript

Data Analytics: R, Python

Web Development Frontend: HTML, CSS, ReactJs, Next.js, Tailwind CSS

Backend: Node Js, express, ElasticSearch, Redis, postman, SQL, Spring Boot, Express, MongoDB

Other: Github, Gitlab Version Control, Python Jupyter Notebook, NetBeans, Eclipse, DBMS, JDBC, Arduino UNO, ESP, Raspberry Pi

Myself

Hey there! I'm Shivam Jaiswal, a passionate computer science enthusiast and an aspiring engineer on a journey through the exciting world of bits, bytes, and algorithms. Currently pursuing my degree in Computer Science and Engineering, I'm all about diving deep into the realms of technology, coding, and innovation.

Education

Vellore Institute of Technology, Chennai, India   **2020 - 2024**
B.Tech in Computer Science Engineering   *8.11 CGPA*

DALIMSS SUNBEAM SCHOOL, Varanasi, UP   **2019 - 2020**
XII   *92.4%*

DALIMSS SUNBEAM SCHOOL, Varanasi, UP   **2017 - 2018**
X   *86%*

Work Experience

Tufin Software Technologies India Private Limited   **Nov 2024 – Present**
Java Escalation Engineer
- *De*veloping and maintaining backend services for the Tufin Orchestration Suite (TOS) using Java, C++, JavaScript, and Spring Boot, enabling scalable and secure firewall policy orchestration.
- Integrating and automating network security devices such as Cisco ACI, ASA, FortiManager, Palo Alto, and Check Point, focusing on policy management, configuration fetching, and compliance validation.
- Enhancing SecureTrack components by implementing features related to syslog processing, policy change tracking, and version control, improving visibility and audit capabilities across multi-vendor environments.
- Collaborating across engineering teams to optimize TOS performance, API workflows, and Remote Collector integrations, ensuring efficient real-time topology discovery and rule analysis for enterprise networks.

Chatwise   **April 2024 – Nov 2024**
Backend Developer
- Engineered backend development using **Node.js**, **Express**, and **MongoDB**.
- Implemented and optimized search functionalities utilizing **Elasticsearch**.
- Leveraged **Redis** for caching to enhance application performance.
- Executed API testing and documentation using **Postman**.

Projects

Emotion Detection Music System, HCI Project   **Aug 2022 – Nov 2022**
- Developed a real-time facial expression recognition system to create personalized playlists based on mood.
- Integrated Python libraries including **MediaPipe**, **Numpy**, **Tensorflow**, and **Streamlit** to construct a robust framework.
- Utilized **CV2** and **NUMPY** libraries for precise data training, focusing on facial landmarks and gestures.
- GitHub: https://github.com/shivam-jaiswal-2002/emotion-detection-music-system

Smart Parking System, IWP Project   **Jan 2023 − April 2023**

- Streamlined automated monitoring of accessible parking slots by employing ultrasonic sensors.
- Enabled user reservations via an intuitive web interface.
- Utilized cutting-edge technologies including **Firebase**, **Arduino UNO**, and ultrasonic sensors to power the system.

Wine Quality Prediction, Data Analysis Project   **Jan 2023 − April 2023**

- Applied machine learning algorithms to forecast wine quality, leveraging physicochemical factors.
- Assembled training datasets from vineyard data and conducted comprehensive evaluations on novel wine samples.
- Employed algorithms such as **Decision Tree**, **Bagging**, **XgBoost**, and **AdaBoost** for accurate predictions.
- GitHub: https://github.com/shivam-jaiswal-2002/Wine-quality-prediction

Generative AI-based Post-Recommendation System   **Jan 2024 − Feb 2024**

- Developed a Post Recommender System utilizing **GPT-3.5 Turbo** and **Langchain**.
- Implemented **OpenAI's GPT-3.5 Turbo** for language processing and utilized Langchain for effective document analysis.
- Employed a Reddit dataset of users based on the posts they interacted with and liked.
- Developed a user-friendly interface using **Streamlit** for interactive engagement.
- GitHub: https://github.com/shivam-jaiswal-2002/Generative-AI-based-post-recommendation-system

Certificates

Microsoft SC-900   *May - July 2023*

- Scored 882/1000 in the Microsoft Security, Compliance, and Identity Fundamentals test.

Java & CPP Tutorial, IIT Bombay   *June 2023*

- Achieved 82.50% in Java and 100% in CPP quizzes held by IIT Bombay.

Java & Problem Solving Certification, HackerRank   *July 2023*

- Qualified the Java programming coding round at HackerRank.

Extracurricular

Music Club Member [2023-2024]

Vice-Captain in School [2019-2020]

Secured Gold Medal in Mathematics BrainOBrain competition AIR:34 [2016]

Attained Gold Medal in the English Olympiad at the school level [2020]

Portfolio

https://portfolio-shivam-jaiswal-25.vercel.app/

Web Development Project

https://trend-horizon.vercel.app/