

VATSAL GUPTA

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EDUCATION

Dayananda Sagar College of Engineering

12 2021 – 12 2025

B.E Electronics and Communication Engineering - 7.6

Bangalore, India

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Database Management System (DBMS)
- Machine Learning
- Computer Networks
- OOPS Concept

PROJECTS

Groww Automation Tool 🔗 | [Python](#), [Selenium](#), [Pandas](#)

09 2023

- Developed an automatic tool using Python and Selenium to get insights of a company.
- Implemented Selenium to create an instance of Firefox to interact with the correct elements of the web page.

Portfolio Optimization Website 🔗 | [Python](#), [Flask](#), [HTML](#), [CSS](#)

11 2023

- Merged Python's backend prowess with Flask, seamlessly connecting data processing and HTML/CSS for an efficient and responsive portfolio optimization site.
- Crafted an intuitive, aesthetically pleasing HTML/CSS design to present Python-processed financial data, offering users actionable, visually appealing portfolio suggestions.

FAQ Answering ChatBot 🔗 | [PyQT](#), [Requests](#), [LLM](#)

12 2023

- Created a chatbot to answer FAQs regarding a product using Huggingface Inference API for LLM.
- Trained the LLM model locally to enhance the results.

Credit Card Analysis 🔗 | [Matplotlib](#), [Docker](#), [ML](#)

01 2024

- Data driven result for Credit card usage, using OS ML model.
- Dockerized the complete project.

Credit Card validator 🔗 | [Python](#)

02 2024

- A simple implementation of Luhn's Algorithm to validate a credit/debit card number.

TECHNICAL SKILLS

Languages: Python, C++, HTML, CSS

Developer Tools: VS Code, Docker, Kubernetes, Puppet, Jenkins

Technologies/Frameworks: Linux (Ubuntu, Kali), GitHub, Git

Databases: MySQL, Redis

Cloud/Server: AWS, GCP, Nginx

EXTRACURRICULAR

Innovation and Entrepreneurship Development Centre 🔗

02 2022 – 09 2023

Event Management

DSCE

- Organized several events for the club with 150+ Participants. Maintained a team of 20+ members for organizing Events.

Blogs 🔗

12 2023 – Present

Technical Blogs

Hashnode

- Wrote blog on Hashnode about Search Engine Algorithms (SEA)

CERTIFICATIONS

- Configuration Management and the Cloud - Coursera
- Database Structures and Management with MySQL - Coursera
- JP Morgan Investment Banking Virtual Experience - Forage