Data Science Enthusiast

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Portfolio: https://personal-portfolio-website-opal-five.vercel.app/

Motivated Computer Science student with a solid foundation in Artificial Intelligence, Machine Learning, NLP, Data Science, Data Engineering and Generative AI technologies. Eager to apply technical expertise to contribute to rapid prototyping and Proof of Concepts (PoCs) in Generative AI, leveraging Python and related frameworks. Seeking an opportunity to collaborate with industry professionals and develop innovative solutions.

SKILLS

Artificial Intelligence	LLMs (Fine-tuning, Retrieval-Augmented Generation,Transformers, Prompt Engineering, Natural Language Processing, Machine Learning (Regression, Classification, Clustering), Deep Learning (TensorFlow, Keras), Computer Vision, Gemini, OpenAI, Hugging Face, Scikit-Learn,end to end model integration using flask ,fast api
Data Science	Data collection Data Preprocessing, model training , predictive analysis and cross validation, Web Scrapping *Pandas Numpy matplotlib seaborn scikit-learn pytoch tensorflow keras* .SQL, PowerBI statistical Analysis
Data Engineering	Python, SQL, Hadoop, Data Ingestion, Apache Spark, Scala, Apache Airflow, Kafka, Data Lakes, ETL/ELT, Azure Data Factory,Snowflake Data Bricks

EDUCATION

BS Computer Science	*Fast National University of Computer and Emerging Sciences*	**2021 - 2025**

WORK EXPERIENCE

Artificial Intelligence Engineer **December 2023 – present**
Freelancing and online paid projects

- Trained and fine-tuned AI and ML models to achieve high accuracy and optimal performance.
- Built Retrieval-Augmented Generation (RAG) systems using LangChain for enhanced query responses.
- Deployed scalable AI solutions on cloud platforms (AWS, GCP).
- Collaborated on technical problem-solving with a team of AI experts.
- Communicated complex AI concepts effectively to clients.

PROJECTS

HealthGenics – Final Year Project **March 2025**
• Developed an AI-powered fitness and rehabilitation app focusing on body position detection, workout plans, and injury recovery.
• Utilized **MediaPipe** for body position tracking, **React Native** for front-end, and **Flask** for backend model deployment.
• Integrated for user progress visualization and designed a **premium category** with online transaction features.

Automated Web Scraper & Email Outreach System – UK Tech Company **February, 2025**
• Developed a dynamic web scraping tool to extract **emails, phone numbers, and contact details** from various websites.
• Utilized **Python, Scrapy, Selenium, and BeautifulSoup** to handle complex, JavaScript-rendered sites.
• Integrated an **automated email-sending system** using **SMTP and organizational email services** for targeted outreach.

Emergency Vehicle Detection System – Hull University Client **December 2025**
• Developed a **deep learning model** for detecting and classifying emergency vehicles using **image data**.
• Utilized **TensorFlow and Keras** to train a CNN-based model for real-time prediction.
• Improved accuracy and responsiveness to aid in automated traffic management and emergency response.

CERTIFICATIONS

Zidio Development	*Data Science*	**Aug 2024**
CodeAgentic	*DeepLearning.AI*	**February 2025-Present**

VOLUNTEER

University Top Programmer team, *Fast National University* **Sep 2021 - Present**

- Organized tech events and workshops as part of the Tech Team.
- Enhanced collaboration, communication, and organizational skills.