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📍 Lahore, Pakistan

As a dedicated Data Science undergraduate with a 3.45 CGPA, I bring a solid academic foundation and a strong passion for problem-solving and competitive programming to the table. Eager to channel my academic excellence and enthusiasm for tackling complex challenges into impactful contributions in the field of data science and computer science.

Education

November 2021 – present

PUCIT, Bachelor of Data Science 

CGPA: 3.45 / 4.

Relevant courses: OOP, DSA, Big Data, Information Security, Artificial Intelligence, Data Warehouse, Data Science, Database, OS, Machine Learning, Deep Learning, Software Engineering, Web Engineering.

Technical Skills

Python | Langchain | C | JavaScript | Git | Tailwind CSS | SQL | C++ | Django | ReactJs | NodeJs | ExpressJs

Final Year Project


Sep 2024 – present

Final Year Project: DataVerse (An AI Powered Data Science Platform)

- Developed a RAG-based chatbot using LangChain and LLMs, trained on comprehensive faculty data for intelligent query resolution.
- Integrated features for professors to create profiles, upload lectures, and manage resources, with AI-driven automation for generating personalized faculty websites.
- Incorporated functionality for students to explore previous FYP projects and access relevant academic materials.
- Enabled role-based access, ensuring data security and privacy for both students and teachers.
- Built a secure web application using Django and Python, offering a user-friendly interface for students and faculty.
- Showcased expertise in AI, data science, and web development, delivering an innovative and scalable solution for educational institutions.

Projects

Dec 2023

Dynamic Faces Web App 

- A system leveraging Stable Diffusion for text-to-image generation, allowing users to create custom images based on prompt queries.
- Integrated Tortoise TTS for high-quality text-to-speech synthesis, enabling the generated image to “speak” user-provided prompts.
- Combined outputs into a seamless video using tools like OpenCV and FFmpeg.
- Utilized deep learning models for generative AI, natural language processing, and speech synthesis, showcasing expertise in transformers, diffusion models, and multimodal AI systems.

Jul 2024

Brain Tumor Analysis Using Deep Learning

- Developed a deep learning-based system leveraging YOLO for real-time tumor detection and CNNs for accurate classification.
- the model achieved high precision and reliability, offering an AI-driven solution for early diagnosis and enhanced medical analysis.
- Trained on medical imaging datasets.
- Highlighted expertise in computer vision and AI for healthcare applications.

Jan 2025

Urban Crime Analysis on Big Data & High Risk Area Prediction

- Designed an intelligent big data solution to analyze urban crime patterns.
- Used Python for data preprocessing, Flask to build an interactive web app, and Hadoop for scalable data storage.
- Data processing with Spark and implemented MongoDB for seamless storage of processed data, minimizing raw data dependency.
- Showcased expertise in big data ecosystems, web technologies, and cutting-edge analytics.

Achievements

2024	<ul style="list-style-type: none">Silver Medalist ICPC Regional Finals	Lahore, Pakistan
2024	<ul style="list-style-type: none">Winner of NUTEC-FAST Coding Competition	Peshawar, Pakistan
2024	<ul style="list-style-type: none">Winner of NUTEC-FAST Speed Programming	Peshawar, Pakistan
2023	<ul style="list-style-type: none">Winner of UTS-UET Speed Programming	Lahore, Pakistan
2023	<ul style="list-style-type: none">Winner of FAST Competitive Programming	Peshawar, Pakistan
Others	<ul style="list-style-type: none">Ranked Runner UP in 15+ IUPC Competitive Coding	Lahore, Faisalabad, Islamabad, Sawabi