

Nauman Ishaq

Contact

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As a final-year software engineering student with a CGPA of **3.52**, I have a strong foundation in computer science principles and hands-on experience in coding. I solve complex problems creatively and have a passion for innovation. I'm eager to collaborate on impactful projects, and continue learning from industry professionals.

Work Experience

Teaching Assistant for OOP | PUCIT

August 2023 - December 2023

- Assisted in teaching OOP by conducting labs and tutorials.
- Helped students with coding assignments, debugging, and conceptual understanding.
- Graded assignments and provided feedback to improve learning outcomes.

Education

Bachelors of Data Science | PUCIT

Punjab University College of Information Technology (PUCIT)

Nov 2021 - present

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

Projects

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

Sep 2024

Developed a RAG-based chatbot using LangChain and LLMs, trained on faculty data for intelligent query resolution. Built a Django-based web application enabling professors to create profiles, upload lectures, and manage resources, with AI-driven automation for personalized faculty websites. Integrated features for students to explore past FYP projects and academic materials, ensuring role-based access control for data security.

Brain Tumor Analysis Using Deep Learning

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. It was trained on medical imaging datasets, highlighting expertise in computer vision and AI for healthcare applications

Urban Crime Analysis on Big Data & High Risk Area Prediction

Jan 2025

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.

Skills

Technical Skills

- Web Development
- Database Management
- Machine Learning
- Deep Learning
- Data Warehousing
- Rest APIs
- Frontend
- Backend

Tools/Frameworks

- Mysql
- PowerBI
- Microsoft SQL Server
- Django
- Django Restframework
- Bootstrap

Languages

- Python (Full Professional Proficiency)
- JavaScript(Elementary Proficiency)
- Assembly (Elementary Proficiency)
- C (Elementary Proficiency)
- Html
- CSS