

HAMZA SHAHZAD

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Rawalpindi | <https://github.com/hamza-shahzadd>

BACHELOR OF SCIENCES IN COMPUTER SCIENCE

Passionate and driven computer scientist eager to apply expertise in AI, Machine Learning, and Web Development to innovate and solve complex challenges, contributing to the advancement of cutting-edge technologies in a dynamic and collaborative environment.

PROFESSIONAL EXPERIENCE

- Junior Software Engineer at Algoryc

July 2024

PORTFOLIO

<https://hamzashahzad-portfolio-4ff2e9.netlify.app/>

PROJECTS

- VeteranMeet (ReactJS, MongoDB, NodeJS, ExpressJS)** MERN stack social media web app connecting retired professionals
- Book Store Management System (ReactJS, MongoDB, NodeJS, ExpressJS)**
- Cafe Management System (Solidity, Ganache, React, Web3, Truffle)** Integrated Smart contracts for cafe management with Web 3 integration.
- Blockchain (Golang)** Created blockchain and a P2P Network using Golang
- Flex Academic Portal (.NET, MySQL, C#)** Developed an academic portal utilizing C# for back-end development and .NET Framework for front-end and MySQL as the database.
- Supply Demand Forecasting Model (Pandas, Scikit learn, SeaBorn)** LinearRegression & decision trees on ride hailing data to optimize driver allocation
- Vehicle Management System (Java, JavaFx, MySQL)** Developed a management system for different cars using java and frontend on Java fx
- String Based Text generation(Gen AI)** Generating text using various models like transformers, RNNS and GANS.
- Phishing Email Detection (Machine Learning, Logistic Regression)** Used logistic regression model to detect the phishing emails in a dataset.

TECHNICAL SKILLS

Node	Generative AI	Python	Graph Database
React	Go Language	Cloud Computing	Machine Learning
MongoDb	Docker	MySQL	Graph Database
Flask	MLOps	DevOps	Java

CERTIFICATIONS

- Langchain for LLM Application Development

ACHIEVMENTS

- Deans List of honor
- Teaching Assistant for the course Parallel and Distributed Computing

EDUCATION

FAST UNIVERSITY ISLAMABAD

Bachelor of Sciences in Computer Science

Majors: Artificial Intelligence, Web Development, Machine Learning, Cloud Computing

SOFT SKILLS

Hard Working
Problem Solving
Motivated and Energetic
Passionate to Learn

FINAL YEAR PROJECT

Mentorly

- Mentorly operates as a mentorship platform employing a microservices architecture.
- It links mentors and mentees seamlessly through an API gateway, all our microservices interface with the frontend.
- These microservices encompass the user portal, CSM, resource management and a recommendation system powered by machine learning algorithms.