Muhammad Furqan Nasir

Motivated and detail-oriented Computer Science student with strong skills in programming, web development, and data science. Seeking an entry-level role to contribute to a dynamic team and drive organizational success.

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Professional Experience

TPL Life Insurance | Shahra-e-Faisal   *Dec 2024 – Jan 2025*

Web Development Intern
- Worked with ASP.NET MVC, C#, and web development technologies.
- Developed and maintained web applications, ensuring functionality and performance.
- Gained hands-on experience in software development, debugging, and troubleshooting.
- Collaborated with the IT team.

Projects

- **Custom Login and CRUD Operations (MVC & .NET):** Built a custom login system with CRUD functionalities integrated with a database.
- **Airbnb Database Management System (DBMS):** Developed a relational database to manage clients, hosts, rooms, reservations, payments, and reviews, using MySQL and SQL queries.
- **Travel Management System (C++):** Developed an application to manage travel bookings and schedules efficiently.
- **Phone Book (C++):** Implemented data structures to build a phone book application.
- **Event Management System (Java + Database):** Created a comprehensive system to manage event scheduling and planning.
- **Image to Pencil Sketch (Python):** Designed an image processing tool using Python libraries.
- **Bitcoin Price Prediction (Machine Learning):** Built a predictive model to forecast Bitcoin prices using historical data.
- **Student Score Predictor (Machine Learning):** Predicted student performance based on study hours.
- **Email Spam Detection (Machine Learning):** Developed a model to classify emails as spam or non-spam.

Education

Iqra University North Campus - Bachelors in Computer Science   *Oct 2021 - Sep 2025*

- Achievement: Awarded a merit-based scholarship
- Final Year Project: Serving as Group Leader for a multidisciplinary team, overseeing project planning, task delegation, and technical development.

Skills

- **Programming Languages:** C++, Java, Python, C#
- **Web Development:** HTML, CSS, JavaScript, ASP.NET
- **Frameworks & Libraries:** Flask, Selenium, OpenCV, MVC Architecture
- **Data Science & Machine Learning:** Machine Learning, Natural Language Processing (NLP), PyTorch, LSTM, Face Recognition (FaceNet, DeepFace)
- **Database Management:** SQL, MySQL, Microsoft SQL Server
- **Tools & IDEs:** Selenium, Jira, Visual Studio, VS Code, Jupyter Notebook, PyCharm, Eclipse
- **API Integration:** OpenAI GPT, Claude, BART APIs
- **Core Concepts:** Object-Oriented Programming (OOP), Algorithms, MVC Design Pattern, Problem-Solving, Debugging

Certificate

- **Debug or Die:** Certificate of Participation in Procom25
- **Alison:** Diploma in Database in T-SQL
- **Kaggle:** Intermediate Machine Learning, Python
- **Cisco Networking Academy:** Python Essential 1,2 & Introduction to Data Science