Mansoor Ali

Software Developer

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LinkedIn

Dedicated Computer Science student with a strong foundation in programming, data structures, and software development, seeking an internship opportunity in Data Science/Artificial Intelligence. The goal is to leverage technical skills and academic knowledge to contribute to innovative projects, gain hands-on experience, and further develop expertise in these cutting-edge fields.

Skills

Languages: C/C++, C#, Python, JavaScript, Java, Kotlin, SQL, XML, HTML/CSS. :

Databases: Firebase, MongoDB, MySQL, Oracle, SQLite :

Frameworks: Node JS, React, Java FX, ASP.NET :

Software and Tools: Visual Studio, VS Code, Eclipse IDE, Jupyter Notebook, MySQL Workbench, Oracle SQL Developer, Android Studio, Cisco Packet Tracer :

Work Experience

2023-07 - 2023-08

Internee
OGDCL, Islamabad

- Worked in the Systems Department of OGDCL, a semi-government E&P company, gaining hands-on experience in IT communications between the Head Office and rigging fields across Pakistan. Contributed to the operations and management of the newly established Data Center, which improved data processing efficiency by 40%, enhancing understanding of IT infrastructure and data management in an enterprise environment.

Academic Projects

- **Mentor Me Android Application**

Developed a mentorship app using Android Studio with Kotlin and XML for the user interface and implemented backend logic with Firebase NoSQL. The app features user authentication, session booking, mentor searches, notifications, real-time chat, and multimedia handling to facilitate seamless mentor-mentee interactions.

- **Timetable Scheduling System**

Implemented a timetable scheduling system using Python and Jupyter Notebook. The project applied genetic algorithms to optimize class schedules, minimizing conflicts and accommodating constraints for professors, classrooms, and sections.

- **One Stop Degree Issuance System**

Developed a web-based system using ASP.NET and C# to streamline FAST Islamabad's degree issuance process. The system supports roles for Admin, Director, FYP Department, and Finance Department, allowing students to track requests and receive timely updates, improving efficiency and satisfaction.

- **FAST E-Learning Platform**

Developed a learning platform using JavaFX with Java Eclipse IDE and MySQL to facilitate peer-to-peer learning at FAST University. The system allows senior students to offer free course material such as notes, assignments, quizzes, and past papers to juniors, enhancing access to educational materials and personalized learning opportunities.

- **FAST NUCES FLEX Management System**

Developed a database management system using ASP.NET and C# to manage and schedule university students' academic information, including enrollment, course registration, scheduling, and performance tracking, enhancing resource management and student experience.

- **Database Management System**

Developed a simple database system using C++ that implemented B-tree, AVL tree, and Red-Black tree indexing to optimize search and update operations for large datasets.

- **Ola-doc – Hospital Management System**

Built a back-end IT health care system to improve time management and collaboration between practitioners and patients, which included multiple User Portals, Appointment Scheduling, and Payment Methods using Object Oriented Programming in C++.

Education

2021-08 - 2025-06

Bachelor's in computer science
FAST-NUCES - Islamabad, Pakistan