

## EXPERIENCE

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- **Octopus Digital (Avanceon)** Lahore, Pakistan  
*Full Stack Developer* *April 2023 - Present*
  - **Architect, Develop, and Sustain Web Solutions:** Utilized .NET Core, SQL, and Angular to drive digital transformation, optimizing user experiences and achieving a 30% increase in conversion rates and a 20% decrease in bounce rates.
  - **AI-Driven Development Leadership:** Led the implementation of AI-driven development practices, resulting in a 20% reduction in the time required to develop new features.
  - **OmniConnect:** A cloud-native IT/OT convergence platform to collect, transform, enrich, access, and analyze disparate manufacturing data in real time for actionable insights to drive business performance outcomes.
    - \* **Developed and optimized asset hierarchy visualization:** Leveraged third-party libraries and advanced data structures to enhance visualization and manipulation of asset hierarchies.
    - \* **Engineered assets and tags configuration module:** Implemented a comprehensive module for managing assets and tags, supporting all CRUD operations, dependency visualization, and real-time search functionality.
    - \* **Enhanced alarm and data monitoring systems:** Upgraded the data and system alarm viewer by adding custom filter capabilities and actionable buttons to improve user interaction and monitoring efficiency.
    - \* **Implemented scalable tag and asset management workflows:** Integrated pagination APIs to streamline workflows, ensuring efficient handling and scalability of tag and asset data.
    - \* **Streamlined bulk asset and tag configurations:** Facilitated bulk configurations through optimized Excel/CSV imports, improving efficiency and reducing manual effort.

## EDUCATION

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- **FAST NUCES** Lahore, Pakistan  
*Bachelor of Science in Computer Science* *Aug 2019 - May 2023*
  - **Relevant CourseWork:** Software Engineering, Algorithms and Data Structure, Artificial intelligence, Software Design and Analysis, Object Oriented Programming (OOP), Professional Practices, NLP, Bioinformatics, Software Testing, Information Retrieval, and Cloud Computing

## PROJECTS

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- **Search Engine:** Built a complete search engine with numerous Indexing and Retrieval features.
- **Timetable Scheduling Project:** Implemented timetable scheduling project using Python based on the genetic algorithm.
- **Moody Eats (Android App):** Built an Android-based application in a group of 4, focused on food prediction methods based on the user's mood.
- **Job Recommender System:** Orchestrated a Job Recommender system that uses collaborative filtering to provide recommendations based on users' search queries and past preferences.
- **Software Testing:** Explored numerous open-source projects and practiced the entire Testing Process, including writing test cases, Bug Reporting, and UI, API, Unit, and Performance testing automation.
- **Logistics Automation Platform (FYP):** Worked on a logistics automation web-based platform based on the Shared Truck Load paradigm with features such as Tracking and Monitoring, Booking and Scheduling, and Cargopool shipments, using MERN stack in a group of 3.
- **Kanban Board:** Developed an advanced Kanban Board application using Angular 17 and Angular CDK, providing a seamless user experience in task management and workflow organization

## PROGRAMMING SKILLS

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- **Technologies:** .Net Core, Angular, TypeScript JavaScript, HTML, CSS, SASS Python, React, Node.js MongoDB, SQL, REST API
- **Tools and Frameworks:** MUI, React Router, CodeceptJS, Express.js, GitHub Copilot, Git, Angular Material, Angular CLI, Jest, Jira
- **Certifications:** Pearson's IT Specialist Cloud Computing Certifications, Meta's Front End Development Certification, and Google's Crash Course on Python Automation