

EDUCATION

- **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

EXPERIENCE

- **Octopus Digital (Avanceon)** Lahore, Pakistan
Full Stack Developer *April 2023 - Present*
 - **Develop and Maintain Web Applications:** Designed and maintained robust, scalable web applications supporting digital transformation initiatives. Utilized .NET backend, SQL databases, and Angular frontend technologies.
 - **Collaborate with Cross-Functional Teams:** Worked closely with cross-functional teams to understand business requirements and translate them into efficient and user-friendly software solutions.
 - **AI-Driven Development Leadership:** Led the implementation of AI-driven development practices, resulting in a 20 percent reduction in the time required to develop new features.
 - **Stay Up-to-Date with Industry Trends:** Kept abreast of the latest industry trends and technologies, incorporating continuous improvements into the development process.

PROJECTS

- **Train Management System:** Built with C++ and Windows Forms graphics based on the OOP paradigm.
- **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 automation of UI, API, Unit, and Performance testing.
- **Snake Ladder Game:** Developed a Snake Ladder Game with a peculiar GUI in C++.
- **Game Of Life:** Created the Game Of Life using Java in a group of 6, working on the UI layer to create the GUI and CLI of the project.
- **Ball'it (Hyper Casual Game):** Developed a Hyper Casual Game named "Ball'it" while collaborating with a team of 4 members, including developers, designers, and artists for Rookie Game Jam 2021.
- **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.

PROGRAMMING SKILLS

- **Languages:** .Net Core, Angular, TypeScript JavaScript, HTML, CSS, SASS Python, React, Node.js MongoDB, SQL
- **Tools and Frameworks:** MUI, React Router, CodeceptJS, Express.js, GitHub Copilot, Git, Angular Material, Jest, Jira
- **Bootcamp:** Gained Proficiency in JavaScript with extensive MERN STACK project experience, possessing a deep understanding of web technologies, including Client/Server architecture, Application Architecture, and Security, coupled with practical knowledge and adherence to industry best practices