Muhammad Mahir
Linktree site

Email : hmmahir2001@gmail.com
Mobile : 0340-7470923

EXPERIENCE

- **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.
    * **Implemented Audit Trail for user activity**: Enabled detailed tracking of user actions for better security, transparency, and accountability across the platform.
    * **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

- **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

- **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 end-to-end Testing Process, including writing test cases, Bug Reporting, 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

- **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