

Abdul Rafay Ul Iman Syed

✉ a.rafayiman@gmail.com

☎ +92-336-2335312

📍 Karachi Pakistan

🌐 A.Rafay Iman

🔗 github.com/Rafayiman

Profile

With a solid foundation in programming, data structures, and full-stack web development, I am passionate about leveraging technology to solve complex problems. My experience spans frontend and backend development, where I have contributed to enterprise-level applications and collaborative team environments. I have also worked on AI-powered systems, including document intelligence features such as retrieval-augmented generation (RAG), semantic search, and automated summarization, which strengthened my interest in applied AI within real-world applications. I am particularly drawn to expanding my expertise in artificial intelligence and machine learning, recognizing their transformative potential in modern software solutions. Eager to further strengthen my backend development skills while exploring AI/ML integration opportunities, I aim to grow into a well-rounded full-stack developer with specialized knowledge in emerging technologies.

Education

Bachelor Of Computer Science | 2022-2026

Ned University Karachi

- Graduating CGPA: 3.342
- Final Semester GPA: 3.94
- Graduated: June 2026

A 'Levels 2020-2022

Grades : A* and Two As

Professional Experience

HBL GCC Workflow Management

June 2025 - Aug 2025

HBL (Internship)

Full Stack Workflow Management Application | ASP.NET ☑ Core 8, C#

- Built a **comprehensive workflow management platform** to streamline dynamic form creation, user access, and approval processes for enterprise use.
- Designed and implemented a **dynamic form generation engine** from scratch with real-time rendering, support for multiple field types, advanced validations, and automated database table creation.
- Developed **centralized List of Values (LOV) management**, enabling reusable reference data with real-time synchronization across all forms to maintain consistency and reduce redundancy.
- Integrated **Active Directory authentication**, providing enterprise-grade access control with multi-tier role management and team-based permissions.
- Improved organizational efficiency by enabling **paperless approvals, real-time data consistency, and traceable workflows**, significantly reducing manual intervention.

Payroll Management System NEDUET

Nov 2024 - May 2025

NEDUET (Internship)

Full Stack Payroll Management System | ASP.NET ☑ Core & Angular

- Architected and developed a comprehensive **Payroll Management System for NED University contract-based employees** using ASP.NET ☑ Core Web API and Angular with PrimeNG, ensuring secure and scalable enterprise-level data management.
- Designed a **multi-tenant architecture** supporting multiple organizations with isolated data, customizable business rules, and modular system configuration.
- Built secure **RESTful APIs with JWT authentication** and granular **role-based access control** for robust user and permission management.
- Implemented advanced **payroll processing modules**, including automated salary calculations, allowances, deductions, and tax computation logic.

- Developed a complete **employee management system**, covering profile handling and organizational data structures.
- Collaborated with frontend development to deliver a responsive and user-friendly interface using **Angular + PrimeNG** across all devices.
- Established **CI/CD pipelines** for automated testing and deployment, improving release efficiency and maintaining code quality.
- Optimized complex **database relationships and queries** using **Entity Framework and Oracle 19c**, improving performance and scalability.
- Ensured strong **data validation, API security, and performance tuning**, delivering a maintainable and production-ready payroll solution.

Final Year Project

BinderDocs

AI-Powered Document Automation & Workflow Platform

- Developed an enterprise-grade document automation platform using **Angular 18, ASP.NET Core .NET 9**, and **PostgreSQL** to streamline workflow orchestration, AI-driven document analysis, cloud synchronization, and E-Signature processing.
- Engineered a **visual node-based workflow builder** with dynamic schema-driven forms, enabling users to automate business processes through an interactive low-code interface.
- Implemented a **Retrieval-Augmented Generation (RAG)** system supporting conversational document querying, semantic search, AI-powered summarization, and persistent multi-turn chat sessions.
- Built secure **Google Drive** and **OneDrive** integrations with OAuth authentication, **Azure Functions-based document synchronization pipelines**, and real-time workflow/execution updates using **SignalR**.
- Designed a complete **E-Signature module** supporting authenticated/public signing workflows, multi-signer routing, and audit trails for compliance and document integrity.
- Architected scalable backend services with **JWT authentication, Hangfire background jobs**, microservice communication, and Azure cloud deployment for high-performance enterprise operations.

Projects

Strategic Management Portal

NED University (Volunteer Project)

- Worked with database queries and API integrations in ASP.NET Core to ensure seamless communication between the frontend and backend.
- Developed the front-end using the Angular framework.
- Collaborated with the team to design and implement functionalities for efficient management needs.

Blueprint Manager (Backend Developer)

(Freelance, ASP.NET Core Web API with SQL Server)

- Developed and maintained the backend of an AI-powered project management system for architectural firms using **ASP.NET Core Web API** and **SQL Server**.
- Applied **Clean Architecture** principles to build a scalable, maintainable, and secure multi-tenant platform with JWT-based authentication and role-based authorization policies.
- Implemented time-tracking, project phase management, and AI-driven analytics features to support operational insights and billing workflows.

LDK Project

(Freelance, ASP.NET Core Web API with SQL Server)

- Refactored and optimized backend APIs for a factory and invoicing management system, improving performance and maintainability.
- Enhanced complex database queries and reporting logic for efficient data processing.
- Developed core modules for factory operations, product management, and invoicing workflows using **ASP.NET Core Web API, SQL Server, and Entity Framework**.

References

References can be provided upon request.