

Aayush Agrawal

+91-7877976611 || aayushagrawal97@gmail.com || <https://www.linkedin.com/in/aayush-agrawal-mnit> || <https://github.com/aayush1324>

SKILLS

- **Languages** : Python, C++, C#, Java, SQL, LINQ, DSA
- **Frontend**: Angular, React, HTML, CSS, JavaScript, TypeScript, Bootstrap, Tailwind
- **Backend**: ASP.NET Core, Spring Boot, Node.js, SignalR, RESTful APIs, Microservices
- **Databases**: SQL Server (SSMS), MySQL, MongoDB, Firebase, Redis, GitHub Actions
- **Other Skills** : GitHub, Docker, Azure, RabbitMQ, OOPs, SignalR, Design Pattern, SOLID Principles, CI/CD Pipeline.

EXPERIENCE

Software Engineer (Full Stack) in QBurst

Jul 2023 - Present

- Engineered a scalable Angular front-end with Reactive Forms and optimized routing, boosting user engagement by 30% and reducing page load time.
- Implemented role-based and policy-based authorization using ASP.NET Core Identity, decreasing unauthorized access by 40% and enhancing system integrity.
- Integrated Ocelot API Gateway to streamline microservices communication, achieving a 25% reduction in latency.
- Containerized the full application stack using Docker, cutting deployment time and inconsistencies by 60%.
- Enabled real-time user notifications with SignalR, enhancing responsiveness and user interaction by 35%.

Design Engineer in AGICL

Jul 2019 - May 2023

- Engineered geometric highway alignments and optimized pavement designs using MX ROAD and Civil 3D, achieving a 20% improvement in efficiency.
- Automated testing and streamlined workflows with cross-functional teams, reducing bug resolution time by 30% and enhancing on-time delivery by 15%.

PROJECTS

E-Commerce Website

<https://github.com/aayush1324/GinniFrontend>

- Developed a scalable e-commerce platform using Angular and .NET, increasing user engagement by 30% and reducing bounce rates by 15% through a responsive UI and dynamic components. Implemented authentication with role-based and policy-based authorization, enhancing user trust and reducing unauthorized access by 40%.
- Integrated RESTful APIs, Razorpay, and Shiprocket, improving data retrieval speed by 25%, transaction success by 15%, and delivery efficiency by 20%.
- Enabled CI/CD with Docker and SignalR for real-time updates, reducing deployment time by 40% and boosting user satisfaction by 35% through faster feature delivery and tracking.

Real-Time Ticket Management System

- Built a scalable Angular front-end with Reactive Forms and optimized routing, increasing user engagement by 30% and reducing load time.
- Enabled secure, role-based access and real-time manager alerts using ASP.NET Core Identity, SignalR, Redis, and RabbitMQ, improving system responsiveness by 45% and reducing unauthorized access by 40%.
- Containerized the full microservices stack (User, Ticket, Notification) with Docker and Ocelot API Gateway, cutting deployment time and latency by 60% and 25%, respectively.

EDUCATION

Scaler

2023

MNIT Jaipur

2019

B. Tech