AAYUSH MEENA

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Education

National Institute of Technology Kurukshetra	B.Tech in Information Technology (IT)	8.01 CGPA	06/2023
12th (Higher Secondary RBSE)	PCM	**78.2%**	**05/2019**
10th (Secondary CBSE)	CBSE	8.2 CGPA	04/2017

Professional Summary

Innovative and performance-driven Full Stack Developer with a strong foundation in scalable web architectures, real-time systems, and decentralized applications. Experienced in designing and developing enterprise-grade solutions with modern technologies like React.js, Node.js, GraphQL, and Docker. Contributed to high-impact projects, including HONO.AI's multi-tenant backend system and Microsoft Engage's real-time collaboration tool. Adept in microservices, cloud deployment, and cross-functional teamwork. Strong competitive programming background and hands-on with blockchain (Solidity, Web3.js), delivering secure, smart contract-based platforms. Passionate about building efficient, user-centric applications that solve real-world problems.

Professional Experience

HONO.AI	Software Engineer	06/2023– current

- **Engineered** high-quality, production-grade solutions as a core member of the innovation team, contributing to deployment strategies and dynamic configuration module development.
- **Orchestrated** the HONO Enterprise Product Migration — a year-long transformation initiative improving performance, scalability, and security through complex data transformation, multi-source integration, and zero-downtime deployment planning.
- **Architected** a multi-tenant backend using SQL, enabling secure, isolated data environments for multiple clients — **boosting infrastructure efficiency by 40%**.
- **Designed** and **developed** intuitive React-based configuration interfaces, empowering admins to manage system behavior easily — **increasing usability scores by 37%**.
- **Accelerated** app performance by **cutting React build time by 60%** and backend start-up time by 50% via code-splitting, lazy loading, and efficient service initialization.
- **Implemented** a domain-driven architecture allowing a single build to serve multiple tenants with unique domains and branding — **reducing deployment overhead by 70%** and **speeding up rollouts**.
- **Oversaw** production deployments, monitoring, and rollbacks using Docker, CentOS, and CI/CD pipelines — **ensuring real-time observability** with Grafana and Prometheus.
- **Enabled** scalable, real-time workflows by establishing an event-driven architecture using message queues and custom emitters.
- **Mentored** and **guided** team members transitioning to backend and React roles by creating tailored learning paths and facilitating pair programming.
- **Integrated** third-party systems such as WSO2 and Socket.IO, **ensuring seamless cross-platform communication and real-time event processing**.

SERAPHIC Mobile App Development	Full Stack Developer Intern	01/2022 – 06/2022

- **Delivered** 8+ full-stack web and mobile APIs across diverse domains using Node.js, React.js, Express.js, and Docker.
- **Contributed** to architecting and developing scalable server-side solutions, participating in feature development and key architectural decisions.
- **Refactored** and **debugged** 5+ legacy applications, boosting performance and ensuring seamless business operations.
- **Integrated** third-party APIs and optimized data flow in collaboration with cross-functional teams, deploying solutions to cloud platforms.
- **Enhanced** backend efficiency by working with technologies like Firebase, Redis, MongoDB, and ElasticSearch.
- **Utilized** tools like Git, Heroku CLI, Docker, and Bootstrap 5, building a solid foundation in modern, production-grade development workflows.

Microsoft engage mentorship'21	Full Stack Developer	05/2021 –7/2021

- **Developed** a real-time communication web app called 'MicrosoftClone' using WebRTC, Socket.IO, and Node.js.
- The app enabled users to share screens, record video, initiate video/audio calls, and chat — offering a full-featured collaborative **experience**.
- **Gained** hands-on exposure to real-time technologies and scalable backend communication systems.

Projects			
Dynamic Form Builder & Validator	**NIT KRR**		**10/2022–11/2022**

- Created an enterprise-grade **dynamic form engine** where admins can configure input types, validations, and associated metadata through a UI. On submission, responses are validated and stored dynamically based on schema rules — ideal for multi-tenant environments with diverse requirements.
- **Tech Stack:** Node.js, React.js, Express, Sequelize, PostgreSQL

Freelance Marketplace DApp (Decentralized App)	**NIT KRR**		**01/2023 – 05/2023**

- Designed a decentralized freelance platform that uses **smart contracts** to manage transactions between clients and freelancers. Integrated **React.js** for a seamless user interface and **Node.js** for backend services. Enabled **secure, transparent, and automated payments** on the Ethereum blockchain with **milestone-based releases** and real-time contract interaction via Web3.js.
- **Tech Stack:** Solidity, Web3.js, Ethereum, React.js, Node.js

Academic Achievements and Certificates

• 4★ Coder on CodeChef – Max Rating: 1813	2023
• **Selected for Microsoft Engage Mentorship Program 2021** – Among 1,000 students was selected from over 10,000+ applicants.	2021

Position of Responsibility

Position	NIT KKR		05/2019 – 06/2023

- **Club Secretary – Photography Club**
  Led event coverage, creative direction, and photography initiatives during major college fests and hackathons.
- **Web Developer Head – Annual Cultural Fest**
  Managed the official website for the college's flagship cultural festival, ensuring real-time updates and user engagement.
- **Media Head – Technical Fest**
  Oversaw all media content, social media presence, and documentation for NIT Kurukshetra's technical festival.
- **Core Member – Press & Reporting, Convocation 2023**
  Contributed to official event coverage attended by the Hon'ble President of India, Droupadi Murmu, including real-time reporting and coordination with press officials.

Skills

Languages: C++, JavaScript, TypeScript, Python, SQL
Frameworks & Libraries: React.js, Node.js, Express.js, Next.js, Bootstrap
Backend: Firebase, Redis, GraphQL, REST APIs, WebSockets, Nginx, CI/CD
Blockchain: Solidity, Web3.js, Ethereum
Databases: MongoDB, Firebase Realtime DB, MySQL, SQL Server , Postgre SQL
Tools: Docker, Git, Heroku CLI, Elasticsearch
Core CS: Data Structures & Algorithms, OOP, OS, DBMS, Microservices Architecture, open source, Open Source.

Others

PERSONAL SKILLS	• Competitive programmer • Ability to work under pressure.
Languages	English (Fluent),Hindi (Native)
GitHub	LINK (github.com/ayushmeena10)