

HARSH MAHAJAN

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Education

Maharaja Surajmal Institute of Technology

B.Tech, Computer Science Engineering

New Delhi

Nov 2022 – June 2026

- **CGPA:** 8.72
- **Courses:** Data Structures & Algorithms, Object-Oriented Programming, Computer Organization & Architecture

Experience

Purezza Technologies

Full-Stack Developer

Oct 2023 – Dec 2023

- Enhanced user engagement by 35% and user satisfaction scores by 20% using React and Tailwind CSS for scalable web applications.
- Reduced page load times by 50% and decreased bounce rates by 25% through performance optimizations and efficient resource loading.
- Improved application responsiveness by reducing latency by 20% and implementing efficient RESTful APIs for seamless data flow.

Doubtless

Frontend Developer Intern

April 2023 – July 2023

- Increased mobile traffic by 40% and cross-device user retention by 30% through responsive web design using React.js.
- Improved mobile load times by 45%, enhancing overall user experience and performance.
- Optimized data transfer and enhanced interactivity by seamlessly integrating frontend components with Firebase backend.

Projects

Vayu Vani

- Developed VayuVani, a social media app, reducing latency by 30% and improving overall performance by 25%, enhancing user experience and facilitating efficient collaborative problem-solving.
- Enhanced VayuVani's scalability, achieving a seamless user experience with 99.9% uptime for a reliable community platform.

Microservices Architecture with Asp.Net Core

- Engineered a modular microservices architecture leveraging ASP.NET Core, comprising a resilient Platform microservice and a dynamic Command microservice that communicate via RabbitMQ. Achieved a 40% reduction in response time and ensured seamless handling of 1,000+ concurrent user requests.
- Utilized Docker, Kubernetes, and MySQL to ensure scalability, containerization, and efficient data management, resulting in 99.9% uptime and robust system performance.

Technical Skills

Languages: JavaScript, TypeScript, C#, SQL, Python

Technologies: ASP.NET Core, Entity, , GCP, Azure, Docker, Kubernetes, Jenkins, Git/GitHub, Unit, Integration Test, Django, PyTorch, Pandas, MySql, Scikit-Learn, Scipy, Ingress-Nginx

Skills: Networking, Data Structures and Algorithms, RESTful APIs, Microservices Architecture, Natural Language Processing, Version control, DBMS, LoadBalancing

Achievements

Led a team to the top 50 out of 20,000 participants in Hacksquad, securing prizes.

Recognized as the top contributor for integrating the Swirl API into the Vespa Search Provider, earning \$200.

Awarded \$100 from Chimoney for contributions to translation APIs. Named a Novu Hacksquad winner and one of the top 20 contributors.

Appointed as a **Microsoft Learn Student Ambassador**, demonstrating strong leadership through effective team coordination, innovative problem-solving, and a commitment to continuous learning and community engagement.