Sanjay Verma

New Delhi, India ✉ sanjayvermaa12121@gmail.com 📞 9868980710 in linkedin ⚙ git-hub

Skills

Languages: C/C++, Python, JavaScript, TypeScript

Frameworks: React.js, Next.js, Angular.

Backend: Node.js, Express.js.

Cloud and DevOps: AWS (ECS, EC2, IAM, SNS, SQS, ECR, S3, Lambda), GCP.

Database and APIs: MongoDB, MySQL, PostgreSQL, REST APIs, Firebase, Supabase.

Developer Tools: Git, GitHub, Linux, Postman, VS Code, Docker, PyCharm.

Others: Unit Testing, Agile/Scrum, Software Design, Data Structure and Algorithm.

Experience

Software Engineer Intern *Rancholabs, IIT Delhi*   *March 2025 – PRESENT*
- Developed a **custom Next.js frontend** for a Moodle platform, scaled for over **10,000 students**.
- Optimized API endpoints using **Node.js** and **Express**, improving request-response time by **25%**.
- Developed a **cost-optimization workflow** using **AWS EventBridge** and **Lambda** to programmatically stop non-essential **EC2 instances**.
- Spearheaded research and rapid prototyping of new features for the learning platform, resulting in a **12%** increase in user task completion rates through a more intuitive interface.
- Collaborated on data scalability and caching strategies to ensure fast access to large volumes of educational content by **20%**.
- Solved complex performance, and data modeling challenges, improving system responsiveness by **30%**.

Software Engineer Intern *Admiral India*   *July 2024 – Dec 2024*
- Worked on **TypeScript, Node.js, Express, Angular, Firebase**, and data modeling techniques for real-world projects.
- Participated in **end-to-end project planning**, attending meetings with seniors and daily team collaborations with seniors.
- Led a team of 4 to develop a full Online Quiz Platform for new joiners and internal employee. assessments.
- Designed the project architecture—database schema, application structure, and workflow automation—improving development efficiency by **30%**.
- Managed the development lifecycle (task assignment, coding, testing, deployment), ensuring **30%** on-time delivery and reducing release issues by **25%**.

Education

Maharshi Dayanand University   *2024 – 2026*
Masters in Computer Application(MCA)
- **Coursework:** Computer Architecture, Data Structures and algorithms, Computer Vision etc.

Awards and Certificates

- Honored with a Developer Award at Rewards and Recognition Ceremony 2025 (Rancholabs).
- Completed the Introduction to Backend Development from Meta.
- Completed the Python Crash Course from Google.