Abhinandan Sethi

98996-11040 | abhinandansethi07@gmail.com | Linkedin

EDUCATION

Thapar Institute of Engineering and Technology — Patiala, India
B.E in Computer Science; CGPA: 8.76 — *Aug. 2021 – June 2025*

Montfort School — New Delhi, India
Class 12 Boards: Percentage: 95% — *2019 – 2020*

Montfort School — New Delhi, India
Class 10 Boards: Percentage: 90% — *2017 – 2018*

EXPERIENCE

Engineer Trainee — Jul. 2025 - Present
Motherson Technology Services Limited — *Noida, India*
- Configured SAP Warehouse Management module to optimize inventory workflows and RF transactions for warehouse operations.
- Integrated WalkMe with SAP WM, scripting in-application guides that reduced user errors and training time.
- Served as technical liaison between operations and IT teams for SAP-WalkMe implementation and enhancements.

Data Analysis Intern — Dec. 2024 - June 2025
CogniTensor Technology — *Noida, India*
- Performed data analysis and reporting using advanced SQL features like CTEs, cursors, and subqueries.
- Designed and implemented stored procedures, views, triggers, and other database objects in SQL and SSMS.
- Wrote optimized SQL queries for backend integration and real-time data processing.

Software Development Intern — May 2024 – July 2024
Reelcraft (Copper Digital) — *Gurugram, India*
- Assisted in development and implementation of features using FastAPI, PostgreSQL, and Python.
- Provided end user support by debugging software issues, which further enhanced application stability.
- Developed new APIs to streamline functionality throughout the application.

PROJECTS

Real-Time Chat Application | *React, Node.js, Socket.io, MongoDB, Tailwind CSS*
- Developed real-time messaging with latency less than 100ms, measured via Chrome DevTools by implementing Socket.io WebSocket connections with optimized event handling.
- Increased message reliability to 99.8% measured through connection analytics by adding automatic reconnection.
- Scaled application to support 100+ concurrent users measured via load testing by designing efficient room architecture with MongoDB indexing.

Personal Portfolio Website | *React, Node.js, Tailwind CSS, Vercel*
- Developed a responsive portfolio with interactive UI/UX and 95+ Lighthouse performance score.
- Implemented CI/CD pipeline using Vercel for automatic deployment on git pushes with 99.9% uptime.
- Integrated contact form with Node.js backend handling 50+ monthly queries with automated email responses.

Capstone Project - CrowdWatch | *Python, YOLO V5, Computer Vision*
- Designed a real-time crowd density monitoring platform using computer vision.
- Utilized YOLO V5 to detect and track individuals in crowded areas for analysis.
- Generated heatmaps and issued alerts for overcrowding risks to enhance safety.

SKILLS

Languages: C/C++, Python, JavaScript, HTML, CSS, SQL
Frameworks and Libraries: React.js, Node.js, Express.js, Socket.io, Tailwind CSS, YOLOv5, Pandas, NumPy, Matplotlib, Scikit-learn
Developer Tools and Platforms: Git, GitHub, VS Code, Postman, Chrome DevTools, Vercel, Jupyter Notebook
Database and Tools: MySQL, MongoDB, SQL Server, DBeaver, SSMS
Relevant Coursework: OOP, Operating Systems, Data Structures & Algorithms, DBMS, Cloud Computing
Soft Skills: Problem solving skills, Analytical thinking, Organizational skills, Strong verbal communication, Adaptability, Attention to detail