Khushi Jaiswal

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PROJECTS

Elevator System (Low-Level Design - LLD) Domain: Embedded Systems and Real-Time Systems , Languages: Java   May'24

- Optimized Elevator Management System: Designed a Java-driven system with a structured low-level architecture, processing 500+ simulated user requests per hour while reducing congestion by 30%.
- Intelligent Dispatching & Efficiency: Implemented a priority-based request queue and adaptive state machine, achieving a 25% reduction in energy consumption and a 35% decrease in passenger congestion.
- Real-Time Performance & Scalability: Leveraged concurrent processing for real-time updates (¡50ms latency) and applied OOP and modular coding principles, enhancing system flexibility by 40%.

MERN Stack E-Commerce Platform Domain: Web Development, Languages: MERN   Nov'23

- Created and launched a full-stack e-commerce web application, handling 1,000+ daily users with a seamless and responsive experience.
- Developed a responsive front-end using React and Redux, optimized MongoDB queries for 35% faster data retrieval, and ensured 99.9% uptime with a well-structured RESTful API.
- Integrated Stripe for secure payments and implemented robust authentication, reducing unauthorized access attempts by 90%.

SKILLS

Languages	JAVA, SQL, HTML, CSS , CPP
Tools	Aws, Azure , Digital Occean, GIthub , Docker
Frameworks	React.js, Next.js , Node.js , Express.js , Prisma
Soft Skills	Emotional Intelligence, Teamwork, Troubleshooting, Flexibility

CERTIFICATIONS.

Design & Implementation of Human-Computer Interfaces	Oct'24
Programming In Java by NPTEL	April'24
Programming in Modern C++ by NPTEL	Oct'23
Cloud Computing by NPTEL	Oct'23
Introduction to Operating Systems by NPTEL	Sep'23
The Joy of Computing Using Python by NPTEL	Feb'23

ACHIEVEMENTS

- · NPTEL discipline star   Dec'24
- · UIEO by Unified Council (AIR – 1284)   Nov'16
- . SIMO Education – SICHO   Oct'16

EXTRA-CURRICULAR ACTIVITIES

- · Worked with Hriday Sparsh NGO, educating 50+ illiterate and underprivileged individuals, contributing to social welfare and education.   June'23 - July'23

EDUCATION

B.Tech in Computer Science and Engineering, Lovely Professional University   Sept'22 - Present
CGPA: 6.2