SAMANA BUTOOL MIRZA

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WORK EXPERIENCE

ML Infomap Pvt. Ltd.   **February 2024 - Present**
Software Programmer

- Developed and maintained high-performance web applications using React.js and Node.js, enhancing user experience by 80% through efficient code optimization and robust development practices.
- Designed and implemented RESTful APIs for seamless integration, improving data flow and reducing response times by 90%.
- Collaborated with cross-functional teams of 8-10 members to deliver GIS solutions using ArcGIS, enabling real-time, location-specific data visualization and meeting client requirements effectively.
- Authored comprehensive project documentation, including SRS, SDD, STD and RFP, ensuring clarity in development processes and implementation strategies.
- Optimized complex SQL Server queries and implemented MongoDB data storage solutions, improving database efficiency by 85% while conducting rigorous testing and debugging for reliable software delivery.

PROJECTS

HRMS Portal - Attendance & Leave Management System
Tools: React, Node, GitHub, SQL Server

- Engineered a comprehensive HRMS portal with a responsive user interface using Core UI - React library and Node JS, reducing administrative overhead by 80%.
- Integrated APIs with MS SQL Server complex queries for seamless data communication and functionality across platforms.

LMS - Lead Management System
Tools: React, Node, GitHub, MongoDB

- Designed and developed a lead management system to enhance company interactions with potential clients, utilizing Material UI, JWT Auth for a seamless user interface.
- Integrated MongoDB and implemented centralized notification system using SocketIO, providing a reliable follow-up process and a comprehensive history of leads for effective management.

Centralized Safety Monitoring System for CPCL
Tools: React, Node, ArcGIS, GitHub, SQL Server

- Developed a centralized safety monitoring system enabling real-time tracking and visualization of safety incidents, permits, and critical issues, enhancing refinery safety awareness by 75%.
- Leveraged ArcGIS for map-based visualization and analysis, performing complex queries to generate efficient, data-driven safety reports, improving decision-making accuracy.

EDUCATION

Bachelor of Technology in Computer Science & Engineering   **September 2020 - July 2024**
Dr. A. P. J. Abdul Kalam Technical University

- **CGPA: 8.8**

TECHNICAL SKILLS

- **Programming Languages:** HTML, CSS, JavaScript, Java
- **Frameworks & Libraries:** React.js, Node.js, Tailwind CSS, Material UI
- **Tools & Databases:** GitHub, MS SQL Server, MongoDB, StarUML, DrawIO, Canva, Figma, JIRA
- **GIS Technologies:** ArcGIS

ACHIEVEMENTS

- Secured 1st Position in academics among all departments in 1st year.
- Achieved Oracle Academy certification in Database Foundations.
- Completed a 2-month Java In-House Summer Internship.

EXTRA - CURRICULAR

- Authored comprehensive documentation of final year project thesis, detailing the development process, implementation strategies, and achieved outcomes.
- Served as the G20 Youth Conclave Speaker for Akashvani AIR in 2023.
- Led the annual techno-cultural fest as Prime Core, overseeing departments and coordinating events with manager.
- Managed the Film & Media Club as Vice President, guiding a 15-20 member team to successful projects.
- Secured Runner-Up position as Narrator of the team in AIIMS Pulse'23 theatre competition.
- Finalist in IIT-D Rendezvous'23 graphic design competition, competing against 100+ teams.
- Won Gold Medal at University Sports Zonals'23 in Kho-Kho.