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Profile

Motivated and passionate software developer with strong programming aptitude and hands-on experience in full-stack web development, databases, and IoT-based solutions. Comfortable working across the complete software development life cycle including coding, debugging, testing, and documentation in an agile team environment.

Relevant Coursework

- Data Structures
- Object-Oriented Programming
- Software Engineering
- Computer Networks
- Operating Systems
- Algorithms and Data Structures
- DBMS
- Web Development

Technical Skills

- **Programming Languages:** C, C++, Java, JavaScript, SQL
- **Web Technologies:** HTML, CSS, React.js
- **Backend:** Node.js, Express.js
- **Databases:** MongoDB, MySQL
- **Tools:** Git, GitHub, VS Code

Projects

1. Smart Blind Stick (IoT-Based Assistive System)

- Analyzed real-time sensor data to detect obstacles and trigger timely alerts.
- Designed logic to convert raw sensor inputs into actionable audio feedback.
- Evaluated system behavior to improve detection accuracy and user safety.
- Implemented a one-touch SOS feature to support emergency response workflows.
- Demonstrated data-driven problem-solving to enhance mobility and independence for visually impaired users.

2. Assignment Approval System (Full-Stack Web Application)

- Developed a web-based system to manage university assignment submission and approval workflows.
- Implemented role-based access control for Students, Professors, and Admins.
- Enabled secure PDF assignment upload and resubmission using Multer.
- Built professor features to review, approve, reject, or request resubmission of assignments.
- Designed a responsive user interface using HTML, CSS, and EJS templates.
- Used MongoDB with Model-View-Controller architecture for scalable and maintainable code.
- **Project Code:** GitHub – University Assignment Portal

Hackathons and Activities

- Participated in multiple hackathons, collaborating with teams to design and build solutions under strict time constraints.
- Improved coding speed, teamwork, communication, and real-time problem-solving abilities.
- Actively engaged in peer learning and technical discussions.

Strengths

- Strong problem-solving and logical thinking abilities.
- Quick learner and adaptable to new technologies.
- Comfortable working in team-based environments.
- Effective communication and collaboration skills.
- Capable of identifying and fixing basic application bugs.