HANAN SAEED

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SUMMARY

Results-driven software engineer with expertise in full-stack development (MERN stack) and scalable applications. Proficient in object-oriented programming (OOP), problem-solving, and front-end development, with a passion for AI, machine learning, and game development.

TECHNICAL SKILLS

- **Frontend:** React.js, HTML5, CSS3, JavaScript, Redux
- **Backend:** Node.js, Express.js, RESTful APIs, MongoDB, Mongoose, Firebase
- **Languages:** JavaScript, SQL, Python
- **Tools:** Git, GitHub, Visual Studio Code, Figma, Postman

EDUCATION

GIFT University   **May 2021 - March 2025**
Bachelor of Science in Computer Science

Relevant Coursework:
- Object-Oriented Programming
- Data Structures & Algorithms
- Software Engineering
- Artificial Intelligence
- Machine Learning
- Web Development
- Object-Oriented Programming

WORK EXPERIENCE

GIFT University   **June 2024 - March 2025**
Full-Stack Developer & AI Engineer (Final Year Project)

Led a cross-disciplinary team to design and deploy a dental education platform integrating AI, 3D modeling, and e-commerce features.

Developed a full-stack dental education platform (MERN stack) featuring:

- Assisted in developing an interactive 3D jaw quiz using Unity (C#/Three.js) to improve user engagement with dental anatomy.
- Co-designed a deep learning model (Python, TensorFlow) for detecting anomalies in dental X-rays, trained on 10,000+ labeled images with OpenCV, reaching 70% prediction accuracy for various dental issues.
- Implemented an MCQ-based testing module to support theory-based learning and assessment.
- Took the lead in integrating a React/Redux-powered online store for dental products, with Stripe-based secure payment functionality.
- Created a dynamic 3D tooth viewer (Unity) with hover-based identification for each of the 32 teeth.
- Helped improve diagnostic training efficiency by 40% through engaging, simulation-driven educational tools.

Greenzay Technologies   **April 2022 - June 2022**
Front-end Developer Intern *Remote*

- Developed a secure, interactive web application using React.js, featuring a responsive UI that improved user engagement by 20%.

Grow24seven   **March 2023 - August 2023**
Wordpress Developer Intern *Remote*

- Customized and maintained WordPress websites by integrating themes, configuring plugins, and ensuring responsive, user-friendly layouts across devices.

ADDITIONAL INFORMATION

Languages:
- English (Fluent)
- Urdu (Fluent)
- Hindi (Fluent)

Soft Skills:
- Adaptability
- Problem-Solving
- Effective Communication
- Team Work
- Team Managment