Taibah Hanif

Software Engineering Undergraduate (Currently in 8th Semester)

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# Objective

A highly motivated software engineering student with hands-on experience in web development, drone simulator integration, and content management systems. Proficient in modern frontend technologies and backend tools like Node.js and MongoDB. I excel at problem-solving and delivering results, eager to contribute technical expertise to innovative projects and continuously learn in a professional setting.

# Skills

Technical Skills:

- Frontend: HTML, CSS, JavaScript, React.js, Next.js

- Backend: Node.js, MongoDB

- Mapping Tools: Google Maps API, React Leaflet

- Web Scraping: Selenium, BeautifulSoup

- OAuth Integration: Google Authentication, Facebook Login

- Backend Data Filtering and Querying in MongoDB

Development Practices:

- Object-Oriented Programming (OOP)

- Data Structures and Algorithms (DSA)

- Debugging and Problem Solving

Soft Skills:

- Strong communication and collaboration skills

- Cross-cultural client interaction

- Fast learner, able to quickly understand code

# Work Experience

Software Engineering Intern  
Veritus Software | October 2023 - July 2024

- Integrated and customized maps for drone simulators, improving simulation accuracy by 15% and enhancing data synchronization.  
- Resolved technical issues related to drone cameras and video synchronization, resulting in a 70% reduction in video lag and improving overall system performance.  
- Developed web applications using HTML, CSS, JavaScript, React.js, and Next.js, focusing on responsiveness and user experience.  
- Implemented and customized Google Maps and React Leaflet across various projects.  
- Set up and integrated content management systems using Sanity Studio and Next.js, enhancing content management efficiency.

# Projects

Job Portal – Final Year Project (Ongoing)  
Designed and currently developing a job portal with advanced filtering functionality using data stored in MongoDB. Implemented job scraping using Selenium and BeautifulSoup to collect real-world data from multiple job websites. Integrated user authentication via Google and Facebook using OAuth, enhancing accessibility and user onboarding.

Maze Game (C++)  
Developed a maze game using keyboard symbols and the WASD keys for character movement.

BMP Image Processing (C++)  
Wrote code to read and modify image bytes to apply filters like black & white and colored borders.

Blood Donation Management System (MySQL)  
Built a database system to manage patients, blood inventory, and hospital links.

Student Portal (LMS) using .NET Windows Form  
Developed a replica of a student LMS to simulate functionalities like student logins, course management, and grade displays.

# Education

Bachelor of Software Engineering  
University of Management and Technology, Lahore | Nov 2021 - Current | CGPA: 3.70

Intermediate: General Science  
Pakistan International School Al-Khobar, Saudi Arabia | May 2019 - July 2021

Matric: Computer Science  
Pakistan International School Al-Khobar, Saudi Arabia | May 2017 - April 2019

# Interests

Image Processing: Keen interest in exploring image processing technologies and tools. Although not yet professionally experienced, eager to work on related projects and upskill in this area when an opportunity arises.

# Links

LinkedIn: linkedin.com/in/taibah-hanif-715549254