HAMMAD MALIK

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SUMMARY

Dedicated Computer Science student with expertise in web and app development. Proficient in HTML, CSS, JavaScript, React.js, React Native, Node.js and Python. Skilled in creating user-friendly interfaces and backend solutions. Passionate about learning and applying new technologies.

SKILLS

Programming Languages: HTML, Tailwind CSS, JavaScript, React.js, React Native, Node.js, Express.js, C++, Python, SQL
Frameworks & Libraries: React.js, Node.js, Express.js, PyQt, SDL
Databases: MongoDB, Firebase, SQL Server
Tools & Technologies: OOP, DB Designer, Qt Designer, Vivado, Postman, Git
Soft Skills: Problem Solving, Team Collaboration, Time Management

PROJECTS

ShedUTrack (MERN Stack, React Native │ Fall 2024)

- Developed a full-stack scheduling assistant for students using the MERN stack (MongoDB, Express.js, React.js, Node.js) and React Native for cross-platform mobile compatibility. Designed user-friendly web and mobile interfaces.Utilized RESTful APIs and MongoDB for seamless backend functionality.

Pacman Pursuit (C++, SDL │ Fall 2023)

- Developed a C++ game using Object-Oriented Programming featuring dynamic mazes and increasing difficulty levels. Achieved 90% user satisfaction in playtesting.

Gym & Recreation Portal (Python, PyQt, SQL Server │ Fall 2023)

- Developed a gym and sports event management platform for Habib University using Python, PyQt, and SQL Server, streamlining fee payments, event registrations, and locker management for 500+ users.

RISC-V Processor Pipelined (Verilog, Vivado │ Spring 2024)

- Optimized instruction throughput by 20% through efficient pipelining techniques.

EDUCATION

Habib University   Aug 2022- Ongoing

- Bachelors of Computer Science │ 40% Merit based Scholarship │ 3.33 CGPA
- Courses: Data Structures & Algorithms, Object Oriented Programming, Algorithm Design & Analysis,Web and Application Development, Modern Software Practices, Software Engineering
- Serve Club, Sports and Recreational Society, Graduation Committee

WORK EXPERIENCE

Social Media Manager, Real Madrid Pakistan   April 2018- Sep 2023

Managed a Facebook page with 10,000+ followers, increasing engagement by 25% through targeted ad campaigns and interactive content.

Orientation Leader, Habib University   July 2024 - August 2024

Guided 100+ new students and families through university orientation, achieving a 95% satisfaction rate in post-event surveys.

AWARDS AND CERTIFICATES

- 40% Merit Based Scholarship │ Habib University
- Merit Citation Award for Scholarship │ Aga Khan Higher Secondary School
- Social & Behavioral Responsible Conduct of Research-CITI Program
- Social-Behavioral-Educational (SBE) Comprehensive-CITI Program