

# 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, backend solutions, and deploying applications using Docker, Kubernetes, and GitHub Actions for CI/CD pipelines. Passionate about learning and applying new technologies, particularly in the areas of DevOps and cloud deployment.

## 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, Github Actions, Helm, Flask, PyQt, SDL

**Databases:** MongoDB, Firebase, SQL Server

**Tools & Technologies:** Docker, Kubernetes, Git, OOP, DB Designer, Qt Designer, Postman.

**Soft Skills:** Problem Solving, Team Collaboration, Time Management

## PROJECTS

### ResumeAI | MERN Stack, Python, OpenAI/Gemini API | Spring 2025 | Software Engineering

- Built a full-stack resume analysis tool using the MERN stack with a Python-based microservice that leverages ChatGPT/Gemini APIs for content evaluation. Enabled resume uploads in PDF, DOCX, and TXT formats. Implemented AI-powered feedback on structure, keyword relevance, and grammar.

### ShedUTrack | MERN Stack, React Native | Fall 2024 | Web and Mobile Development

- 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.

### CI/CD Pipeline | Flask, Docker, Kubernetes, GitHub Actions | Spring 2024 | Modern Software Practices

- Developed a CI/CD pipeline for a Flask-based website using GitHub Actions for automated testing, Docker for containerization, and Kubernetes with Helm for deployment across development and production environments, optimizing the workflow with version tagging and automated deployments.

### HU Gym & Recreation Portal | Python, PyQt, SQL Server | Fall 2023 | Database Systems

- 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.

## 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