

Mhd Qais Alsaleh

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SUMMARY

Highly motivated Computer Science student with a strong academic background and practical experience in software development through significant project work. Seeking roles where I can leverage my skills in **full-stack development, data management, and AI/ML** concepts to contribute to innovative technical projects.

EDUCATION

Honors in Computer Science | University of Pretoria | South Africa | 2025 - Present

- Relevant Courses: Research - Artificial Intelligence I & II - Educational Software Development - Formal Aspects of Computing II

BSc in Computer Science | University of the Witwatersrand | South Africa | 2022 - 2024

- Relevant Courses: Advanced Analysis of Algorithms III - Machine Learning III - Software Design - Mobile Computing
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PROJECTS

Campus Safety (Web Application Project)

- Developed a web application for real-time campus safety (Wits), providing instant emergency alerts, live incident updates, and direct reporting features.
- Implemented real-time notifications and live tracking functionalities to enhance communication and response efficiency.
- Ensured cross-device compatibility and user accessibility with a fully responsive design.

Health Horizon (Cloud Platform Project)

- Built a cloud-based platform for personal health management, enabling doctor consultations, diagnosis reporting, and potential health outbreak tracking.
- Engineered the backend using .NET, incorporating secure JWT authentication, CORS policies, and session management.
- Managed SQL Server database interactions via Entity Framework Core, including data access and a unique procedure for optimizing storage by purging old records.
- Developed the frontend using React, utilizing React Router for navigation and component structure.
- Followed RESTful principles and Model-View-Controller (MVC) architecture.

Common Grounds Residential Management (Platform Project)

- Created a comprehensive platform to streamline administrative tasks for residential body corporates, covering fine management, visitor regulation, and notifications.
 - Developed the frontend using HTML, CSS (Tailwind), and Vanilla JavaScript.
 - Built the backend with Express.js (Node.js), handling user authentication and route management.
 - Utilized MongoDB as the database for storing various types of user and administrative data.
 - Ensured code quality through automated unit testing with Jest and implemented Continuous Integration via GitHub Actions.
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LANGUAGES, SKILLS AND CERTIFICATES

- **Languages:** English (advanced proficiency), Arabic (native proficiency)
 - **Skills:** Python, C#, JavaScript, React, Node.js, ASP.NET, SQL Server, MongoDB, AI, Machine Learning, Git, CI, Automated Testing
 - **Certifications:** Alibaba Cloud Certified Associate - Cloud Computing and Cloud Security
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References Available on Request