

# MOHAMMED AQEEL ISMAIL

Cell no.: 081 711 5093 | Pietermaritzburg, South Africa | aqeelismail06@gmail.com | [www.linkedin.com/in/aqeel06](https://www.linkedin.com/in/aqeel06)

Career Objective	I am a BSc Computer Science and IT graduate and am currently Honours student at the University of KwaZulu-Natal. I am seeking a graduate opportunity in software development. I am passionate about designing efficient, scalable, and user-centric software solutions. I have a strong foundation in data structures, algorithms, and object orientated programming. I aim to contribute to innovative projects while continuously advancing my technical and professional skills.
Education	<b>University of KwaZulu-Natal</b> <b>2022- 2024</b> <b>BSc Computer Science and Information Technology</b> <b>2025 – BSc Honours (Computer Science)</b>  Relevant Coursework: <ul style="list-style-type: none"><li>Object-orientated Programming</li><li>Data Structures and Algorithms</li><li>Database and Programming</li><li>Artificial Intelligence</li><li>Computer Systems and Theory of Computation</li><li>Image Processing and Computer Vision</li><li>System Analysis and Design</li><li>Networking and Database Management</li></ul> <b>Raisethorpe Secondary School</b> <b>2016- 2020</b> <b>National Senior Certificate (Bachelor's Pass)</b> Achieved 4 distinctions with an excellent academic aggregate Subjects: <ul style="list-style-type: none"><li>English Home Language</li><li>Afrikaans First Additional Language</li><li>Mathematics</li><li>Life Orientation</li><li>Accounting</li><li>Geography</li><li>Life Sciences</li></ul>
Technical Skills	<b>Programming Languages:</b> HTML, CSS, Python, Java, C++, SQL, C# <b>Tools and Technology:</b> Wing, Notepad++, JGrasp, Eclipse, Clion, SQLSMS19, Visual Studio, PowerBI, Google Colab, IntelliJ <b>Core Competencies:</b> Object-Orientated Programming, Web Development, Data Structures and Algorithms, Database Management, Problem Solving, Team Collaboration

<b>Experience</b>	<p><b>Programming Demonstrator (Part-time)</b>  <b>University Of KwaZulu-Natal</b>   Feb 2024- Oct 2024   Aug 2025- Present</p> <ul style="list-style-type: none"> <li>Assisted first-year and second year students in mastering Python, Java and Data Structures during practical lab sessions.</li> <li>Modules: <ul style="list-style-type: none"> <li>Comp100- Introduction to Computer Science; Language: Python (2024)</li> <li>Comp102- Computer Programming; Language: Java (2024 and 2025)</li> <li>Comp201- Data Structures and Algorithm (2025)</li> </ul> </li> <li>Provided hands-on support in debugging and building programs and applying theoretical concepts.</li> <li>Encourage collaboration and critical thinking through peer-to-peer guidance and mentorship.</li> </ul>
<b>Key Projects</b>	<p><b>Point of Sales system for Townbush Pharmacy</b></p> <ul style="list-style-type: none"> <li>Developed a full-stack ASP.NET web application with secure login, shopping cart, and payment integration in C#, HTML, CSS and Javascript</li> <li>Designed and implemented SQL-based data storage and transaction management.</li> <li>Focused on performance optimization and clean UI/UX design.</li> </ul> <p><b>Simple Biology Quiz and Word Search Game</b></p> <ul style="list-style-type: none"> <li>Developed an interactive multiple-choice biology quiz with an integrated word-search puzzle for enhanced user engagement in C++.</li> <li>Implemented difficulty levels, timed challenges, and dynamic question selection to adapt to the player's skill level.</li> <li>Designed modular functions for quiz logic, word-search generation, and timer management to ensure code clarity and scalability.</li> <li>Focused on creating a smooth user experience with responsive input handling and clear feedback for correct and incorrect answers.</li> <li>Demonstrated strong problem-solving and algorithmic thinking through efficient puzzle generation and game-state management.</li> </ul>
<b>Strengths</b>	<p>Strong analytical and problem-solving mindset  Adaptive and quick to learn new technologies  Excellent communication  Teamwork abilities  Detailed oriented and organized in project execution  Motivated to achieve excellence in software craftsmanship  Competitive</p>
<b>References</b>	Available on request