

Ayanda Gumede

Bachelor of Science in Information Technology

Personal

Name Ayanda Sandile Gumede
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Aspiring Full Stack Software Engineer currently pursuing a degree in Computer Science. Adept in DevOps methodologies, continuous integration and deployment (CI/CD), and version control systems. Knowledgeable in frontend frameworks, backend including microservices, and Agile frameworks, particularly Scrum, with a commitment to delivering robust and high-quality software solutions.

Education

February 2023 – November 2025

Richfield College

BSc IT. Computer Science

Relevant Coursework:

- Mathematics, Algorithms, Machine Learning & Data Structures
- National Richfield College Hackathon 2024 Winner

2022, Grade 12 (Matric)

Avoca Secondary School

- Awarded for outstanding performance and sportsmanship in soccer.

Technical Skills & Competencies

Programming Languages:

- Python
- Java
- C++
- C#

Frameworks & Libraries:

- ReactJS
- React Native – Mobile development
- Angular
- Typescript

API Development:

- RESTful API's
- GraphQL API's

Databases:

- SQL

Software Development & Operations:

- DevOps
- CI/CD (Continuous Integration & Continuous Delivery)
- Agile development
- Git & GitHub – Version Control

Certifications

Foundational C# with Microsoft – freeCodeCamp

Certificate: <https://www.freecodecamp.org/certification/Gumede/foundational-c-sharp-with-microsoft>

AWS Academy Cloud Foundations – Amazon Web Services

Certificate: https://www.credly.com/badges/518cd1a5-3668-4a93-a00a-8c708c6b3c37/public_url

FrontEnd Development Libraries – freeCodeCamp

Certificate: <https://www.freecodecamp.org/certification/Gumede/front-end-development-libraries>

Work experience

May 2024

Won the Richfield College National Hackathon

Collaborated in a winning team that created an AI-driven disease diagnosis tool, designed to interpret symptoms and image data to accurately identify diseases.

- Led the integration of a chatbot feature, employing advanced natural language processing (NLP) to streamline diagnostic interaction and deliver medical guidance.
- Engineered a tailored user experience, contributing to both frontend design with Chakra UI and backend functionality through Python libraries, including PyTorch and NLTK.
- Leveraged machine learning algorithms to recommend personalised treatment plans based on distinctive patient characteristics and data patterns.
- Demonstrated commitment to patient-centred innovation, developing a solution that prioritised accuracy, accessibility, and user engagement.

Hobbies & Interest

- Reading: Self growth books
- Cooking and entertaining friends
- Sports: gym, Soccer

References

Sharen Singh

Richfield College Campus Manager

0837880704

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Dr. Stephen Akandwanaho

Executive Dean of Richfield College

stephen.akandwanaho@gmail.com