



RASHAY DAYA

Sanlam Data & Digital Academy (SDDA)

Graduate

Rashay Daya has completed all the SDDA academic modules and practical departmental training rotations. He obtained the BSc degree in Computer Science and Computational Applications from the University of Witwatersrand. Rashay excelled both academically and in sports, earning a spot on the Dean's List and becoming a member of the Golden Key International Society. With the experience gained in the graduate program and as a technical test analyst, Rashay is well-versed in Software Design and Problem solving. His passion for Data Science, Cloud computing, AI and ML drives him to stay current with industry trends by being a member of the Institute of Information Technology Professionals of South Africa (IITPSA). He is eager to contribute and grow in a challenging role.

Personal Info

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GitHub

<https://github.com/Rashay01>

Education

2020 - 2022

Bachelor of Science

Majors: Computer Science and
Computational Applications
University of Witwatersrand

Programing Languages

- Python
- C++
- Java
- C
- JavaScript
- React.js
- Three.js
- Delphi
- HTML
- CSS
- SQL
- C#

Databases

- Firebase
- MySQL
- MS Access
- SSMS

Applications

- Android Studio
- Visual Studio
- Codecov
- MS Applications
- Jira
- Confluence
- AWS
- Figma
- GIT

Languages

English
Afrikaans

Professional Experience

January 2024 - present

Sanlam Data & Digital Academy - Sanlam Group Technology - Sanlam

Completed majority of prescribed modules in various IT-related topics and domains. Participated in a hackathon to help solve an internal business problem. Obtained practical experience by completing rotations amongst various departments within the business.

Rotation 1: MS Chapter - Advice Partner

Worked as a full-stack developer on an application that helps intermediaries to provide advice to customers about policies in alignment with customer goals. Developed code in React Typescript, Redux, Redux Sagas and C#, utilising an Agile methodology.

Rotation 2: SGT DBA

Job-shadowed DBAs performing their Business As Usual (BAU) tasks. Performed database backups, created automation scripts to manage database alerts and BAU alerts. Technologies used: SAP Hana, SQL Server Management Studio (SSMS), Maria DB, Bash and PowerShell.

Rotation 3: SGT Solution Architecture

Performed research on GitHub Actions (CI/CD pipeline). Developed/Updated conceptual and logical diagrams based on the existing solutions within Sanlam Connect.

July 2023 - 2023

Technical Test Analyst -FNB POP IT Quality Assurance -First National Bank

Creating test cases and ensuring the quality and reliability of the new application development of the Enterprise Telling System, utilising Java and Appium.

Projects worked on (Refer GitHub)

2024

Hackathon (Organization: fantastic-4-hackathon)

Leverages AI to transform existing email marketing into personalized WhatsApp messages.

Code-stack: Python, React JavaScript, HTML, CSS and OpenAI API.

Insurance-app Sanlam Platinum Plus

Sanlam Platinum Plus is a web-based Insurance Policy Management System that specializes in insuring luxury, rare, and high-value items. It provides features such as user registration, policy and claim management, and a premium user experience.

Utilised SSMS database. Code-stack: Python, Flask, Jinja, HTML and CSS

2022

Swap Shop (Organization: CC-SwapShop)

An application to enable users to swap items, coded using Android Studio Java and Firebase database

ZOMARCHY (Organization: The-ProcastorCoders)

3D zombie shooter game, coding using JavaScript using Three.js

Student Support website (Organization: OOPS-2022)

Provides university students with online help and guidance, coded using JavaScript and HTML in React.js

Skills

- Data analysis
- Software development
- Technical writing
- Mathematics
- Programming
- Problem Solving
- Communication
- Leadership
- Teamwork

Certifications

- Selenium 4 WebDriver with Java (Basics + Advance +Architect) - Udemy
- Foundational C# with Microsoft FreeCodeCamp
- Discovering Ethical AI Udacity
- Get the most out of Confluence Atlassian University

2D moving scene

2D moving scene that creates objects that move by translation, rotation and scale, coding in JavaScript

2021

Zen Marker

An application to enable to lecturers to load and mark assignments. Students may also create or join existing groups for an assignment. Coded using Android Studio Java and using MySQL database

2019

Online grocery shopping application

Enables retailers to register and upload products on the app. Consumers are able to compare and purchase products, coded in Delphi, using MS Access database

SDDA Modules

- Business and Process Analysis
- Consumer Experience (CX)
- Python
- Databases
- Cloud - using AWS
- Presentation skills
- DevOps - using AWS and Jenkins
- Agile Fundamentals Training
- JavaScript and React
- Machine Learning and AI
- Enterprise Architecture

BSc Computer Science Degree Courses passed

- Software Design
- Parallel Computing
- Machine Learning
- Computer Graphics and Visualisation
- Advanced Analysis of Algorithms
- Formal Languages and Automata
- Operating Systems and Systems Programming
- Computer Networks
- Linear Algebra
- Multivariable Calculus
- Mathematical Statistics
- Abstract Mathematics
- Computational and Applied Mathematics
- Mobile Computing

Awards and recognition

- Dean's List -2021
- Sage Pastel Accounting Certificate – 2019
- Community services - taught Mathematics and Arts & Crafts to students – 2018/19
- First Aid Course Certificate – 2018
- Performed Science experiments at the school open day - 2018
- Hockey Open Team – Reddam House - 2017/18
- Student Sound Engineer - 2016
- Copying and editing music for various dance concerts/competitions - 2015/18

Memberships

- Golden Key International Honour Society - top 15% academic achiever
- Institute of Information Technology Professionals of South Africa (IITPSA)

References

Nikita Govan

Retail Territory Manger,
Convenience Brand Manager, bp SA

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Mr Hazely

Headmaster,
Reddam House Bedfordview

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