

ANAM MYOLWA

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[Anam Myolwa - Portfolio](#)

Professional Summary

Accomplished Computer Science Honours graduate with expertise in full-stack development, secure API design, and machine learning. As a Software Developer Intern, I deliver scalable web applications and robust security solutions, driving operational excellence. Proficient in Python, Django, Java, and MySQL, I excel at solving complex challenges and translating innovative ideas into impactful software. Committed to advancing organizational goals through cutting-edge technology and collaborative problem-solving.

Education

Bachelor of Science (Honours) in Computer Science

University of Fort Hare, Alice, Eastern Cape | Feb 2023 – Dec 2023

Bachelor of Science in Computer Science

University of Fort Hare, Alice, Eastern Cape | Feb 2019 – Dec 2022

National Senior Certificate

Dweba Senior Secondary School

Professional Experience

Software Developer Intern

Department of Sport, Arts and Culture, Pretoria | May 2024 – Present

- Architect full-stack web applications using Python, Django, HTML5, CSS, and JavaScript, enhancing scalability and user experience for projects like thebigwalk.dsac.gov.za.
- Design and optimize MySQL databases with encryption and access controls, ensuring data integrity and compliance.
- Develop secure RESTful APIs with OAuth and JWT, enabling seamless third-party integrations.
- Deploy applications on Linux servers using Gunicorn, Nginx, and Docker, optimizing CI/CD pipelines for 99.9% uptime.
- Conduct security audits and testing (PyTest, Selenium), mitigating vulnerabilities per OWASP standards.

Computer Science Tutor

University of Fort Hare, Alice, Eastern Cape | Apr 2023 – Dec 2023

- Mentored students in Java, Python, and C++, improving coding proficiency and problem-solving skills.
 - Guided first-year students in Microsoft Office tools, enhancing technical capabilities.
 - Fostered an inclusive learning environment, boosting student engagement in complex concepts.
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Key Projects

ICT Services System | DSAC Network Only | Jan 2025

- Developed a Django-based platform with Python and MySQL, enabling secure ICT requests (accounts, devices).

- Integrated APIs and automated email notifications, streamlining administrative workflows.
- Deployed with Gunicorn and Nginx, ensuring scalability and OWASP-compliant security.

Big Walk Registration System | thebigwalk.dsac.gov.za | Sep 2024

- Built a scalable Django web platform, streamlining registration for thousands of event participants.
- Enhanced functionality with secure APIs and data encryption for reliable access.
- Optimized performance via Gunicorn and Nginx deployment.

Movie Booking System | Aug 2023

- Designed a Java-based system for secure movie ticket booking with real-time seat selection.
- Utilized CORBA, Web Services and Java RMI for efficient distributed communication.

Crop Recommender System | Jun 2022

- Built a Python ML model using Scikit-learn to recommend crops based on environmental factors.
- Visualized results with Matplotlib, enhancing agricultural decision-making.

Technical Skills

- **Languages:** Python, Java, SQL, C++, HTML5, CSS, JavaScript, Bash, PowerShell
- **Frameworks & Technologies:** Django, Flask, Bootstrap, MySQL Workbench, Linux, Microsoft Azure, Docker, Nginx, Gunicorn, CORBA, Java RMI, WordPress, GitHub.
- **Tools:** VS Code, PyCharm, NetBeans, Jupyter Notebook, Prometheus, Grafana, Selenium, PyTest, Power BI, Tableau, Scikit-learn, Pandas, NumPy, Matplotlib, Eclipse Android Studio
- **Proficiencies:** Full-Stack Development, Secure API Design, Database Optimization, CI/CD Pipelines, Cloud Deployment, Network Security, Vulnerability Assessment, IT Support, Data Visualization, System Administration, Dashboard Creation, Business Intelligence

Certifications

- Google Business Intelligence, Google | 2025
- CompTIA Security+, Alison | 2025
- CompTIA A+, Alison | 2025
- Microsoft Azure Administrator, Alison | 2025
- Google IT Support, Google | 2025
- Advanced Network Security, LearnQuest | 2025
- Complete Linux Training Course, Packt | 2025
- Introduction to Cybersecurity, CISCO | 2023

References

Available Upon Request