Lesego Dhlamini

Johannesburg, Gauteng, South Africa ✉ lesegojuniorrobert7@gmail.com ⌨ 0660216142 in/lesego–d–a5a7372a0 ☁ lesego-1.github.io/Lesego-1-Portfolio/

SUMMARY

From my first Python scripts to building full CRUD REST APIs in Django, I am driven by curiosity and a passion for solving complex problems. During my Perpex internship, I designed database-driven backend systems, implemented authentication and permissions, and conducted code reviews, while sharpening skills in system design and machine learning. I thrive on turning ideas into reliable, scalable applications and am eager to contribute my Python and Django expertise to deliver maintainable, high-impact solutions.

EXPERIENCE

Software Engineering Intern

Perpex   **July 2025 – August 2025**

· **Designed and implemented 5+ relational Django models** with proper relationships, ensuring data consistency, integrity, and scalability across multiple modules.
· **Developed and maintained 8+ CRUD REST API endpoints**, improving backend–frontend communication efficiency and supporting key client-facing functionality.
· **Integrated 5+ Django models with serializers**, streamlining data conversion to JSON and ensuring structured, reliable API responses for complex datasets.
· **Implemented authentication and role-based permissions for 2+ user roles**, securing 100% of protected endpoints and guaranteeing restricted access only for authorized users.
· **Conducted 11+ code reviews**, ensuring consistent coding standards and optimized backend logic in Django projects.

PROJECT

Customer Dispute Classifier

Personal Project · github.com/Lesego-1/Customer-Dispute-Classification · April 2025 – June 2025

· **Developed an end-to-end customer complaint classifier using Django and Bi-LSTM**, processing 25,000+ complaint texts to automatically flag potential disputes with high recall.
· **Implemented a REST API endpoint for real-time predictions**, returning the summarized complaint, classification outcome, and model confidence score for each user-submitted complaint.
· **Integrated Hugging Face summarization models** to auto-condense lengthy complaints by 60%, reducing manual review time for support staff.
· **Designed automated risk-scoring outputs**, enabling faster dispute prioritization and generating richer product insights to support data-driven decisions.

EDUCATION

Diploma in Information Technology

Richfield Graduate Institute of Technology · Johannesburg, Gauteng · 2025

· **Completed rigorous coursework in Programming, Databases, and Software Engineering**, complemented by self-directed learning in **Django and Machine Learning** to enhance practical software development skills.
· **Developed hands-on projects using Python, Django, and scikit-learn**, building end-to-end applications and ML pipelines that demonstrate proficiency in backend development and data-driven solutions.

COURSEWORK

Project Management

Richfield Graduate Institute of Technology · 2025 · Leadership and Project Management

· **Led a cross-functional project team** to design and develop an end-to-end Django application, ensuring timely delivery of key milestones.
· **Defined project scope, timelines, and delegated tasks** to all team members, optimizing workflow and accountability.
· **Managed version control and documentation via GitHub**, maintaining code quality, collaboration efficiency, and project transparency.

SKILLS

· **Programming & Tools:** Python, SQL, Git/GitHub, Jupyter Notebook, VS Code
· **Backend & Frameworks:** Django, Django REST Framework, API Development, JWT Authentication, Pagination, Filtering, Unit Testing (PyTest)
· **Data & Machine Learning:** Pandas, NumPy, Scikit-learn, NLP, Bi-LSTM, Text Classification, Data Preprocessing, Model Evaluation