

KEAWIN KOESNEL

AI/ML Developer | Full-Stack Problem Solver | Tech & Law Explorer

Port Elizabeth/Gqeberha, South Africa | GitHub: github.com/mooncakeSG | Portfolio: mooncakesg.github.io

PROFESSIONAL SUMMARY

Passionate AI/ML developer with hands-on experience in full-stack development, machine learning, and ethical tech solutions. Currently advancing technical expertise through intensive AI bootcamp training while providing Tier 1 IT support. Strong background in Python, JavaScript, and modern AI frameworks with demonstrated ability to build and deploy production-ready applications. Combines technical proficiency with unique legal perspective to address digital safety, privacy, and responsible AI development.

PROFESSIONAL EXPERIENCE

IT Support Associate

Capaciti Learnership Program

April 2025 – Present | Port Elizabeth/Gqeberha, South Africa

- Provide Tier 1 technical support for hardware, software, and network-related issues across diverse user base
- Diagnose and resolve system errors, login/access issues, and user problems with high efficiency
- Collaborate with internal teams to escalate technical incidents and maintain troubleshooting documentation
- Utilize ticketing systems, remote desktop tools, and system administration in fast-paced environment
- Apply cybersecurity best practices, user authentication protocols, and IT compliance standards

EDUCATION & TRAINING

Capaciti Digital Tech Skills Accelerator – AI Bootcamp

Port Elizabeth/Gqeberha, South Africa

April 2025 – Present

- Intensive full-time program focused on AI, machine learning, full-stack development, and ethical tech
- Advanced training in Python, JavaScript, FastAPI, React, and AI tools (OpenAI, IBM watsonx, Groq)
- Developed production-ready projects: SmartHarvest, AI Resume Builder, Sentiment Analysis Dashboard
- Gained expertise in cloud deployment, agile collaboration, and responsible AI design

Higher Certificate in Software Development

Eduvos

- Programming fundamentals, software engineering, and database management
- Hands-on experience with Python, JavaScript, SQL, and full-stack development

Bachelor of Applied Science (BASc) in Police Science

University of South Africa (UNISA)

Ongoing

- Study in public and private law, legal systems, investigations, and governance
- Expertise in ethical decision-making and regulatory compliance

TECHNICAL SKILLS

Programming Languages

Python, JavaScript (ES6+), SQL, HTML5, CSS3, Bash

AI/ML & Data Science

scikit-learn, pandas, NumPy, Groq API, OpenAI API, IBM watsonx, Jupyter Notebooks, Matplotlib, Seaborn

Frameworks & Libraries

React.js, FastAPI, Flask, Streamlit, Tailwind CSS, Django

Web & API Development

REST APIs, JWT Authentication, Form Validation, Supabase, PostgreSQL, CORS

DevOps & Cloud

Docker, Kubernetes, Vercel, Render, Netlify, Fly.io, GitHub Actions, CI/CD

Tools & Platforms

Git/GitHub, VS Code, Linux CLI, Figma, Postman, Notion

KEY PROJECTS

IntelliAssist - AI Task Management Platform

React, FastAPI, Groq LLaMA 3, Whisper AI, PostgreSQL

Multimodal AI platform with voice recognition, image analysis, and intelligent task extraction.

Production deployment with full CORS handling and API resilience.

Sentiment Analysis Dashboard

Python, Streamlit, Hugging Face, NLP, KeyBERT, Plotly

AI-powered text analysis platform with real-time classification, batch processing, and interactive visualizations for business intelligence.

AI Marketing Copy Generator

JavaScript, Python, HTML5, CSS3, AI Integration

Modern web application generating high-quality marketing copy using AI with multiple content types and adjustable tone settings.

AI Resume Builder

React, Tailwind CSS, Material-UI, Groq AI

Professional resume creation platform with AI assistance, multiple templates, smart suggestions, and ATS compatibility.

ADDITIONAL STRENGTHS

Technical Communication: Technical writing, documentation, UX copywriting, presentation skills

Ethical Tech Awareness: Tech-law intersection, digital privacy, responsible AI development

Collaboration: Agile methodologies, cross-functional teamwork, code review

Problem-Solving: Complex debugging, system optimization, deployment troubleshooting