**Nicholas Biiy Bwalley**

**A.I. / LLM Engineer | Software Engineer**

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**GitHub:** <https://github.com/NickBwalley/>

**Contacts** : **+254 714 394 332 | Location : Nairobi, Kenya.**

**SUMMARY**

I am an AI/LLM Engineer based in Nairobi Kenya with a strong background in software engineering, specializing in building responsive web applications and seamlessly integrating impactful AI solutions into both modern and legacy systems. I design and implement advanced AI-Powered solutions through RAG techniques and fine-tuning, leveraging Agentic AI and MCP (Model Context Protocol) technologies to enhance business processes, automate repetitive tasks, and improve operational efficiency. My expertise spans diverse domains like; machine learning, deep learning, natural language processing, workflow automation, and technical integration, enabling me to develop tailored AI solutions that address complex business challenges. Notably, I am a highly skilled typist, averaging speeds of 120+ WPM, which allows me to excel under pressure and consistently meet tight deadlines without compromising quality. I am an eloquent English and French Speaker with exceptional communication skills. Additionally, I collaborate effectively using GitHub to manage projects and deliver high-impact results. Feel free to explore my GitHub to view some of my recent projects: [GitHub Link](https://github.com/NickBwalley/).

**WORK EXPERIENCE**

**Exchange Program: *(August 2024 – January 2025) – Full Time***

***KTH Royal Institute of Technology, (Stockholm, Sweden)***

* **Sustainable Urban Planning and Development**: Developed AI and machine learning-based strategies to improve mobility and transportation in Viksjö, Järfälla Municipality, optimizing resource allocation for sustainable urban growth.
* **Advanced Interaction Programming**: Designed and implemented a fully functional e-commerce platform, *Stora Ecom*, showcasing expertise in modern web development and user experience design.
* **Internet Marketing**: Conducted in-depth research on Spotify's streaming service, proposing innovative revenue models to enhance profitability and market competitiveness.

**Network Engineer *(January 2024 – June 2024) – Full Time***

***Internship: Turbo G and K Networks Limited, (Nairobi, Kenya)***

* Designed and installed fast, reliable internet services utilizing fiber optic cabling, increasing network efficiency by 30%.
* Developed and launched a modern, SEO-optimized website, resulting in a 40% improvement in search engine rankings and user engagement.
* Restructured network configurations from routers to splitters through ODFs, enhancing connection speed to sky-rocket by 25% for clients.
* Troubleshot and resolved technical network issues, ensuring 99.9% service uptime for users.

**Cybersecurity Analyst *(September 2023 – December 2023) - Remote***

***Internship: Senselearner Technologies Pvt, (Dehradun, India)***

* Conducted detailed network scanning and vulnerability assessments, identifying and mitigating potential security threats to enhance system resilience.
* Performed penetration testing on web applications, delivering comprehensive reports with actionable insights to strengthen defenses and address vulnerabilities.
* Implemented advanced exploitation and post-exploitation techniques to assess and improve system security measures.
* Conducted reconnaissance testing on company test websites, ensuring robust security measures and identifying areas for improvement..

**EDUCATION**

**Strathmore University: (Nairobi, Kenya)**

* **Bachelors in Business Information Technology** (September 2021 – June 2024)  
  Grade: **First Class Honors** GPA: 3.8/4.0 (A)
* **Diploma in Business Information Technology** (May 2019 – September 2021)  
  Grade: **Merit (B)**

**SKILLS**

* **Programming Languages :** Python, JavaScript, Java, C++, PHP, R.
* **Front-End Frameworks:** ReactJS, Redux, Tailwind CSS, HTML, Bootstrap.
* **Back-End Frameworks:** NodeJS, ExpressJS, Laravel, Postman.
* **Deep Learning / M.L. Frameworks:** TensorFlow, PyTorch, Keras, Scikit-Learn
* **Databases:** MongoDB, MySQL, AstraDB.
* **AI / ML / LLM Technologies:** HuggingFace, OpenAI, Llama, Gemini 2.5-pro, Claude, Groq, Grok, DeepSeek, Mistral, LangChain, LangSmith, LangGraph NLP.

**LANGUAGES**

* English: C2 (Native)
* French: C1 (Fluent)
* Swahili: C2 (Native)
* Swedish: A1 (Beginner)

**ACHIEVEMENTS**

* Participated and published an article in the Agentic AI Challenge on March 2025 hosted by Ready Tensor: [My Publication](https://app.readytensor.ai/publications/ai-powered-customer-churn-predictor-TbSqv34bmnZy)
* Dean’s List Award (2021–2022): Recognized for exemplary academic performance at Strathmore University
* Dean’s List Award (2022–2023): Honored for maintaining splendid grades at Strathmore University.
* 3rd Place: Weightlifting Competition, Strathmore Sports Day (August 25, 2023).

**HOBBIES & INTERESTS**

* Professional Fitness Coach: <https://www.youtube.com/@NickBwalley>
* Professional Swimmer.
* Professional Table Tennis Player.
* Magician / Cardistry / Sleight of Hand / Illusions.
* Rubik’s Cube (Speed Cuber: 3x3)
* Type Master (120+ WPM)
* 8-Ball Pool Game Master.