

# Nicholas Biiy Bwalley

**A.I. / LLM Engineer | AI Strategist**

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**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 LLMs through fine-tuning and RAG techniques, leveraging Agentic AI methodologies to enhance business processes, automate repetitive tasks, and improve operational efficiency. My expertise spans multiple domains, including 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. 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](#).

## 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.
- Troubleshoot 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 Honours** GPA: 3.8/4.0
- **Diploma in Business Information Technology** (May 2019 – September 2021)  
Grade: **Merit**

## **SKILLS**

- **Programming Languages:** Python, Java, C++, PHP, JavaScript.
- **Front-End Technologies:** ReactJS, Redux, Tailwind CSS, HTML, CSS, Bootstrap
- **Back-End Technologies:** NodeJS, ExpressJS, Laravel, Postman,
- **Databases:** MongoDB, MySQL
- **AI Technologies :** Python, LangChain, Vector Databases, LLMs, NLP

## **LANGUAGES**

- English: Native
- Swahili: Native
- French: Fluent
- Swedish: Beginner

## **ACHIEVEMENTS**

- Dean's List Award (2021–2022): Recognized for exemplary academic performance.
- Dean's List Award (2022–2023): Honored for maintaining outstanding grades.
- 3rd Place: Weightlifting Competition, Strathmore Sports Day (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 Games.