

# Nicholas Biiy Bwalley

## A.I Engineer & Software Developer

[nickbiiybwalley@gmail.com](mailto:nickbiiybwalley@gmail.com) | [nickbwalley@gmail.com](mailto:nickbwalley@gmail.com)

LinkedIn: <https://www.linkedin.com/in/nick-bwalley-49220a269/>

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

## SUMMARY

I am a Full Stack Software Engineer with expertise in the MERN stack (MongoDB, Express.js, React.js, Node.js) and advanced proficiency in Python. Currently, I am advancing my career in Artificial Intelligence, specializing in Large Language Models (LLMs) and Generative AI to create innovative solutions that automate business processes and enhance operational efficiency. With a proven ability to design and build modern web applications, I excel in delivering impactful AI-driven solutions. I possess good problem-solving skills, and a skilled typist averaging (120 WPM) enabling me to complete tasks on time. I thrive in collaborative environments and use GitHub.

## WORK EXPERIENCE

### **Exchange Program: (August 2024 – present)**

*KTH Royal Institute of Technology, Stockholm Sweden*

- Sustainable Urban Planning and Sustainable Development.
- Advanced Interaction Programming.
- Internet Marketing

### **Network Engineer (January 2024 – June 2024)**

*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)**

*Senselearner Technologies Pvt*

- Conducted detailed network scanning and vulnerability analysis, identifying and mitigating potential threats, reducing security risks by 20%.
- Executed penetration testing on web applications, delivering comprehensive reports with actionable insights for strengthening system defenses.
- Implemented exploitation and post-exploitation techniques, improving cybersecurity protocols by 15%.
- Improved reconnaissance processes, shortening analysis time by 10%.

## EDUCATION

### Strathmore University: (Kenya, Nairobi)

- **Bachelor's in Business Information Technology** (September 2021 – June 2024)  
Grade: First Class Honors GPA: 3.8/4.0
- **Diploma in Business Information Technology** (May 2019 – September 2021)  
Grade: Merit

## SKILLS

- **Front-End Technologies:** React, Redux, Tailwind CSS, HTML, CSS, JS, Bootstrap
- **Back-End Technologies:** Node.js, MongoDB, Express.js
- **AI Technologies :** Python, NumPy, Matplotlib, Pandas, LangChain, Vector Databases, LLMs, NLP

## LANGUAGES

- English: Native
- Swahili: Native
- French: Conversational

## 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

- Fitness Coach.
- Swimmer.
- Table Tennis.
- Magician & Illusionist.