

BRIAN RICHARD

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Software and AI solutions developer

I am a results-oriented software developer and AI solutions developer skilled in building full-stack web applications, AI automation agents, developing intelligent models, and integrating AI into scalable solutions. I am proficient in Python, JavaScript, React, Node.js APIs, and various database technologies, with a keen interest in cloud computing and AI-driven innovations.

WORK EXPERIENCE

Udemy

Python Development

Jan 2024 - Jan 2025

- Completed Complete Python Bootcamp and 100 Days of Python courses covering data science, automation, API integration, game development, and Flask web applications.
- Built projects demonstrating strong problem-solving, OOP principles, and data manipulation skills.

Udemy

Full-Stack Web Development

Jan 2024 - Jan 2025

- Gained hands-on experience in HTML, CSS, JavaScript, React, and backend integration, creating responsive and dynamic web applications.
- Developed multiple full-stack projects emphasizing clean, scalable code.

Power Learn Project

AI for Software Engineering

Jan 2025 - Present

- Studied AI concepts and their integration into software development workflows.
- Applied machine learning techniques to create intelligent, data-driven solutions.

IBM SkillsBuild

Cloud Computing Fundamentals

Jan 2025 - Present

- Learned core concepts of cloud architecture, deployment models, and service types (IaaS, PaaS, SaaS).
- Gained foundational skills for implementing and deploying cloud-based applications.

EDUCATION

Jomo Kenyatta University of Agriculture and Technology (JKUAT)

Bachelor of Science in Mathematics and Computer Science

Sep 2023

SKILLS

- | | | |
|--|---|--|
| • Programming & Development | • Python | • Java |
| • C | • HTML/CSS | • SQL |
| • Node.js | • React | • Flask |
| • Django | • Tkinter | • XGBoost |
| • Pandas | • NumPy | • Matplotlib |
| • Software Engineering & Data | • Full-stack web development (frontend & backend) | • Machine learning model design |
| • training | • and deployment | • API integration and automation workflows |
| • Object-Oriented Programming (OOP) principles | • Cloud & Tools | • Cloud Computing Fundamentals (IBM SkillsBuild) |
| • Git/GitHub | • VS Code | • Jupyter Notebook |
| • Postman | • n8n Automation | • Figma |
| • Full-stack web development | • API integration | • Automation workflows |
| • Cloud Computing Fundamentals | • MySQL | • PostgreSQL |
| • Google Cloud | • IBM Cloud | • Power Learn Project Platform |

<div><div>● ClickUp</div><div>● BeautifulSoup</div><div>● Selenium WebDriver</div></div>		
PROJECTS		
FarmHive Crop Recommendation System		
Developed and trained a machine learning model (XGBoost achieved 99.7% accuracy) to recommend optimal crops based on soil and environmental data. Built a user-friendly interface for seamless farmer interaction and predictions.		
Full-Stack Portfolio Website		
Designed and deployed a responsive personal portfolio showcasing projects, skills, and contact features using React, JavaScript, and backend integration.		
AI-Powered Personal Health Assistant		
Created an intelligent assistant capable of tracking health inputs, predicting potential risks, and providing basic recommendations using AI and machine learning models.		
Salary Predictor App		
Trained a predictive model (98% accuracy) to estimate salaries based on job roles and key market factors, delivering real-time insights through a clean web interface.		
Social Media Automation Agent		
An intelligent agent that automates caption writing, image generation, and scheduled posting across social media platforms. Enhances online presence by up to 40%, reduces social media management costs by up to 60%, and boosts content output and engagement by up to 35% all without manual effort.		
MailBrain AI Email Automation Agent		
Processes Gmail history and listens to new incoming emails in real time, extracting key information and organizing it into a structured database for quick retrieval and decision-making. Cuts email processing time by up to 70%, reduces operational workload by up to 55%, and improves organizational efficiency by up to 45% through automated classification and smart insights.		
AWARDS & RECOGNITIONS		
University of Nairobi		
2nd Best, Tecno Innovation Competition		Feb 2025
JKUAT		
2nd Runners-Up, JHub Africa Hackathon		Feb 2025
INTERESTS		
<div><div>● Artificial Intelligence</div><div>● Machine Learning</div><div>● Cloud Computing</div></div>		
<div><div>● Software Development</div><div>● Data Science</div><div>● Financial Mathematics</div></div>		
<div><div>● Automation</div><div>● Hackathons & Tech Competitions</div></div>		