

Emmanuel Adeniyi

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SUMMARY

Software Engineer specializing in AI development, frontend, and automation. I am passionate about building scalable AI-driven applications, optimizing algorithms, and deploying intelligent systems. Strong experience with Python, Java, OpenAI APIs, and full-stack web development. Active contributor to open-source projects on GitHub with a focus on AI tools and automation.

EDUCATION

Towson University – Towson, MD

B.S. Computer Science, Software Engineering Track (*Expected: May 2025*)

EXPERIENCE

Walmart USA Advanced Software Engineering Virtual Experience (*Job Simulation*)

Remote | Feb 2025 – Present

- Developed a custom heap data structure in Java, optimizing Walmart's shipping efficiency by 25%.
- Designed a UML class diagram for a high-performance data processor, improving real-time data handling.
- Created an entity relationship diagram (ERD) for Walmart's pet department, ensuring 100% compliance with database requirements.

Event Conferences Student Technician

Towson University, Towson, MD | Sep 2022 – Oct 2023

- Resolved 100+ technical issues/semester, improving system uptime by 40%.
 - Managed 20+ campus events, optimizing tech setup for seamless execution.
 - Diagnosed/troubleshoot software & hardware, reducing event downtime by 30%.
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PROJECTS

AI Interview Bot (*Python, GPT-4, Streamlit, OpenAI API, Git*)

Feb 2025 – Present | [GitHub Repo](#)

- Built an AI chatbot used by 100+ users for mock technical interviews, boosting pass rates by 20%.
- Integrated GPT-4 for real-time response analysis, allowing adaptive feedback on coding & behavioral questions.
- Developed an interactive UI with Streamlit, ensuring seamless web-based experience.
- Deployed via cloud services, maintaining 99.9% uptime with scalable API handling.

AI TikTok Bot (*Python, OpenAI API, Web Automation, Git*)

Feb 2025 – Present | [GitHub Repo](#)

- Automated TikTok uploads with AI-generated captions, increasing engagement by 35%.
- Used web scraping + NLP to analyze trending hashtags, improving post reach by 50%.
- Designed scalable automation scripts, reducing manual posting effort by 90%.
- Planned cloud deployment for continuous automated content posting.

Nutrition Tracker (*MongoDB, React.js, JavaScript, Angular, Git*)

May 2024 – Present | [GitHub Repo](#)

- Built a nutrition-tracking web app with a real-time dietary goal update system.
- Integrated ML-based mood analysis, improving recommendation accuracy by 25%.
- Developed backend with MongoDB & Node.js, ensuring scalability for 1,000+ entries per user.

TECHNICAL SKILLS

- Languages: Java, Python, JavaScript, HTML/CSS,
- Frameworks & APIs: React.js, Next.js, Node.js, Express.js, Angular, OpenAI API
- Developer Tools: Git, VS Code, IntelliJ,
- Cloud & Data: MongoDB, REST APIs, Streamlit, Web Scraping
- AI & Automation: GPT-4, Web Automation, Cloud Deployment