Joseph Sackitey

sackiteyjoseph44@gmail.com | linkedin.com/in/joseph-sackitey-44a8831b5 | jsackitey.dev | github.com/jsackitey1

EDUCATION

Gettysburg College — Gettysburg, PA
B.S. Computer Science and Physics — *Expected May 2027*
- **Relevant Coursework:** Data Structures, Full-Stack Web Development, Databases, Computer Networks
- **GPA:** 3.84/4.0

TECHNICAL SKILLS

Java, Python, TypeScript, C#/.NET, React, Kotlin, Git, Node.js, Express, MongoDB, Firebase, AWS

PROFESSIONAL EXPERIENCE

Google — May 2025 – Aug 2025
Associate Software Developer Intern — *San Francisco, CA*
- Developed a prototype desktop client for Google Play Games on PC to improve performance and user experience on Windows
- Enhanced web infrastructure and cross-process communication between the client and the Progressive Web App, reducing memory use, CPU load, and launch time
- Streamlined build processes, improving maintainability and increasing automated test coverage

JPMorgan Chase — Apr 2025
Data for Good Hackathon — *Plano, TX*
- Built a predictive model for the National Education Equity Lab to identify high-impact courses and support strategic expansion

PROJECTS

Nvidia-Agent (TypeScript, Flask, LangChain, NVIDIA Llama, Gemini AI, WebView)
- Collaborated with a team to develop an AI-powered VS Code extension for automated ML code review, integrating NVIDIA Llama and Gemini AI via LangChain to analyze Jupyter notebooks and provide real-time recommendations for best practices, preprocessing, and model optimization
- Contributed to the full-stack architecture with a TypeScript extension frontend and Flask backend API, implementing intelligent notebook monitoring, visualization suggestions, and contextual code generation

AgroMesh (React Native, Expo, Gemini AI, MongoDB, AWS)
- Lead developer of a decentralized, AI-powered mobile app for smallholder farmers to improve crop health and yield
- Built AI-driven disease detection, video analysis, JWT authentication, and backend integration with Gemini AI and MongoDB

Link-Library (React.js, Firebase)
- Full-stack web app for organizing and sharing resources with Google Sign-In and a real-time Firestore backend
- Implemented tagging, categorization, and search, improving user efficiency and access speed by 20%

Bluetooth Controlled Robotic Arm (Python, Kotlin, Arduino)
- Designed a 3D-printed robotic prosthesis with Bluetooth control via a custom Android app
- Integrated sensors for precise movement and programmed the microcontroller for real-time operation

LEADERSHIP & ACTIVITIES

President, Society of Physics Students: Coordinated 6+ events and launched a mentorship program with 17% growth in engagement

Google Developer Student Club: Led 3+ development projects and hosted 2 workshops

CodePath Fellow: Completed a 10-week SWE course and built 10+ React applications

Resident Assistant (2 terms): Mentored 24 residents and organized 5+ events with 95% satisfaction