ABBOT TUBEINE

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EDUCATION

Sattler College **May 2027**
Bachelor of Science in Computer Science; **GPA: 3.67** Boston, MA
Indiana Wesleyan University, Global Campus **May 2026**
Bachelor of Science in Cybersecurity; **GPA: 4.0** Marion, IN
Coursework: Data Structures and Algorithms, Web Application Development, Computer Systems, Network Systems and Security, Human-Computer Interaction, Information Systems and Project Management, Managerial Relational Database Systems.

TECHNICAL SKILLS AND CERTIFICATIONS

Programming Languages: Python, JavaScript, C, C++, SQL, Golang, R, HTML/CSS
Frameworks/Libraries: React.js, Next.js, Typescript, Node.js, Express.js, Material UI, MongoDB, Blueprint
Developer Tools: Git, Expo, PyCharm, Docker, AWS, Google Cloud Platform, Figma, WordPress
General Certifications: Software Architecture Foundations, Azure Fundamentals, Git Essentials, Linux Unhatched (CISCO)

RELEVANT EXPERIENCE

AI4ALL Ignite Accelerator Program | *AI Engineering Fellow* **August 2024 – November 2024**
• Engaged in comprehensive workshops on machine learning algorithms, including supervised and unsupervised learning, deep learning, and model evaluation. Developed a strong understanding of ethical AI practices and the importance of responsible AI development.
• Worked in diverse teams to solve complex technical challenges, fostering collaboration, communication, and problem-solving skills. Successfully delivered group projects that incorporated advanced technologies and innovative approaches.

HeadStarter AI | *Software Engineering Fellow* **July 2024 – August 2024**
• Built **5** AI apps and APIs using Next.js, OpenAI, Pinecone, StripeAPI that significantly streamlined the development process, improved efficiency, and enhanced the overall user engagement.
• Led a team of **4** engineering fellows in the end-to-end development of projects, from initial design to final deployment, utilizing the MVC design patterns that ensured the creation of scalable, maintainable codebases while adhering to best practices of agile methodologies.

Adam Networks | *Cybersecurity Penetration Tester* | Ontario, Canada **June 2024 – August 2024**
• Conducted a comprehensive web application penetration test on Adam Networks' website, identifying security vulnerabilities following the OWASP methodology, and an OSINT analysis on the company to identify data leaks, and information exposures.
• Generated detailed reports outlining findings, recommendations, and mitigation strategies to enhance the company's cybersecurity posture and safeguard sensitive information against external threats.

Sattler College | *Web Developer* | Boston, MA **August 2023 – August 2024**
• Conducted comprehensive **SEO audit**, including keyword optimization, backlink enhancement, and content revision; achieved a **50%** increase in page views and improved search engine and keyword rankings to the top **3** positions within **3** months of launching the college's new tuition model.
• Translated institutional goals into compelling web narratives with the marketing team; boosted digital engagement by **35%**, contributing to increase in prospective student inquiries by **20%** in 2023.

PROJECTS

BrainArds AI | Open AI | Firebase | StripeAPI | Next.js | Typescript | Clerk | *Demo*
• Led a team of 3 to develop BrainArds AI, an AI-powered SaaS application that generates flashcards from user-provided text, uploaded files, or web links, utilizing OpenAI's language models.
• Implemented an advanced web scraping feature that automatically extracts relevant information from user-submitted URLs, such as websites and blogs, and converts the extracted content into customized, AI-generated flashcards for enhanced learning.

Sattler Media | *Python | Flask/Jinja | SQL | HTML/CSS | JavaScript | Demo*
• Developed a full-stack social media application that enables seamless user registration, authentication, and content posting with a dynamic and responsive interface.
• Implemented user-specific functionalities, including personalized notifications, allowing users to stay updated with new posts and interactions in real time.

Travel Wise | *React.js | Node.js | Tailwind CSS | Firebase | Demo*
• Developed a dynamic city mapping application using React, featuring an interactive map for intuitive navigation, by using a component-based architecture and employing state management techniques to enhance the scalability and maintainability of the web application.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

C.O.D.E.R.S | *President* | Boston, MA **March 2024 – Present**
• Organized weekly meetings and technical workshops for an association of career-driven computer science students, overseeing group projects and fostering networking opportunities to support career growth.

National Society of Black Engineers, NSBE | *Member* **January 2024 – Present**
• Engaged in professional development initiatives and events aimed at promoting diversity and inclusion of black and Latinx computer science students in the tech industry.

ColorStack | *Fellow* **December 2023 - Present**
• Engaged in professional development initiatives and events aimed at promoting diversity and inclusion of black and Latinx computer science students in the tech industry.

CodePath | *Member* **May 2024 – August 2024**
• Completed a **10-week** course alongside **300+** students, gaining industry-relevant skills, hands-on experience, and professional development support to excel in tech careers.