

Mark Maddox

+1-479-851-5832x81826 | baileynicole@hotmail.com | linkedin.com/in/mark43 | github.com/wbarajas

EDUCATION

Buchanan and Sons University

Port Kathyborough, IL

B.Sc in Computer Science

2018 - 2025 / GPA: 3.59

Dean-s List - Winter (2020)

Relevant Coursework: AWS, JavaScript, PostgreSQL, PostgreSQL, Flask

Buchanan and Sons School

Micheleberg, India

Grade 12(CBSE) - Year of Completion (2015) - GPA 3.64

Grade 10(CBSE) - Year of Completion (2014) - GPA 3.87

EXPERIENCE

Backend Developer

Jun 2024 - Aug 2025

Baker and Sons

Redesigned the UI of a legacy application using React and Tailwind CSS, improving usability and accessibility. Conducted A/B testing and user feedback sessions, resulting in a 25% increase in user engagement metrics.

Data Science Intern

Jun 2023 - Sep 2024

Jones, Scott and Rodriguez

Created and maintained a scalable chatbot system using LangChain and pgvector. Integrated the chatbot with a product FAQ database and fine-tuned the retrieval system using semantic search.

Backend Developer

May 2023 - Sep 2024

Williams Group

Collaborated with a team of developers to build scalable REST APIs for a financial application using Django and PostgreSQL. Led the implementation of authentication and authorization workflows and optimized complex queries to enhance performance by 40%.

SKILLS

React, Node.js, HTML/CSS, AWS, Docker

PROJECTS

- Built a real-time chat application using React, Node.js, and WebSocket that supports private messaging, typing indicators, and emoji reactions. Deployed the app on Vercel with authentication handled by Firebase.
- Developed an e-learning platform with user sign-up, video lessons, and real-time quizzes using Firebase for

backend services and React for the frontend. Deployed to Firebase Hosting and integrated email notifications.

- Engineered a facial recognition-based attendance system using OpenCV and Python, with attendance data logged in a MySQL database. Also developed a GUI using Tkinter for admin operations and reports.