Arav Bhatt

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EDUCATION:

The Ohio State University│**College of Engineering/Arts and Sciences**   **Expected Graduation:** 2025
Bachelor of Arts in Computer and Information Science   **GPA:** 3.5/4
Relevant Coursework: Software I, Software II, Databases, Networking, Systems, Information Security
Skills: Python, Java, C++, SQL, JavaScript, React, Node.js, AWS (Lambda, Pinpoint), HTML, CSS, Git, MySQL, PostgreSQL, Pandas, REST APIs, MLOps, CI/CD (GitHub Actions), Linux/Unix (basic), Shell Scripting
Certifications (Coursera): ChatGPT with Python, Python Data Structures, Intro to Generative AI, AI for Everyone

PROFESSIONAL SUMMARY:

Computer and Information Science major at Ohio State with 4 technical internships and hands-on experience in backend APIs, cloud infrastructure automation, and data-driven systems. Proficient in Python, Java, SQL, and AWS for developing scalable solutions. Experienced in debugging production systems, automating support workflows, and contributing to system design. ML solutions to 1M+ users (Deloitte), optimized SQL at scale (Elevance Health), and improved production systems (MLB).

EXPERIENCE:

Major League Baseball (MLB)   **New York City, NY**
Software Engineering Intern   *June - August 2024*
- Contributed to backend enhancements and issue resolutions for MLB's Commerce and Payments platform.
- Optimized SQL queries to reduce page load times and improve backend performance.
- Partnered with cross-functional teams to test, debug, and support service updates across production environments.

Elevance Health   **Mason, OH**
Data Analysis Intern   *June - August 2023*
- Conducted SQL-based analysis on user behavior across 47.5M+ members to uncover usage trends.
- Created dashboards to highlight engagement patterns and system interactions.
- Translated business questions into data insights, contributing to backend efficiency.

Deloitte   **Remote**
AWS Cloud Solutions Intern   *May - August 2022*
- Built Lambda functions to automate healthcare messaging workflows using AWS Pinpoint.
- Integrated ML models into AWS systems for patient recommendation delivery at scale (1M+ users).
- Supported backend API development, ML integration, and deployment automation using AWS tools.

Ascendum LLC   **Cincinnati, OH**
AI Solutions and Data Analytics Intern   *May - August 2020*
- Enhanced chatbot performance by debugging React and JavaScript code for platform stability.
- Implemented analytics features to improve bot interaction tracking and system responsiveness.
- Collaborated with teams to identify automation opportunities across user workflows.

Alexa Voice Skill Intern   *May - August 2019*
- Developed custom Alexa voice skills using the Amazon SDK for school based interactions.
- Designed event-based dialogue logic for responsive and accurate voice experiences.
- Tested and improved voice workflow reliability using input datasets and user intent modeling.

AI & Technical Projects

NBA Game Predictor | *Python, Pandas*
- Built a CLI-based NBA prediction tool that uses logistic regression and live team statistics from the NBA API.
- Mapped NBA team names and fetched matchup data to generate daily predictions for upcoming games.
- Engineered a feature set from team performance to inform win predictions, with design for API and model upgrades.

Sentiment Analyzer | *Python, TextBlob*
- Developed a sentiment analysis CLI tool using TextBlob to classify user input as positive, negative, or neutral.
- Implemented a real-time text input loop with polarity scoring and visual bar chart to represent sentiment magnitude.
- Designed the tool as a lightweight demo of NLP sentiment pipelines for basic sentiment classification.

ORGANIZATIONS:

Big Data Analytics Association- Attended workshops that focused on data analytics and programming languages
MMC Scholars Program- Worked on projects that focused on communication, digital marketing, and media engagement.
Software Engineering Club- Participated in workshops and collaborative projects web development and software engineering.