

# Shayan Manoharan

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## EDUCATION

### The Ohio State University

Expected May 2027

*B.S. in Computer Science and Engineering | Specialization: Artificial Intelligence*

*GPA: 3.9/4.0*

Courses: Data Structures, Software Engineering, Machine Learning, Operating Systems, Database Systems

## EXPERIENCE

### WillowTree, A TELUS Digital Company

Columbus, OH

*Software Engineering Intern | iOS + Backend (Swift, C#)*

*May 2025 – Aug 2025*

- Integrated live Radar SDK in Swift across 4,500+ stores to boost real-time location accuracy and app stability.
- Spearheaded “Favorite Order” feature improving repeat order flow by 30% for 41M+ lifetime users.
- Enhanced order analytics visibility by 15% via Segment tracking, improving insights for 9M+ active users.
- Refactored GraphQL resolvers in C#, improving reliability for 497K+ daily users and increasing test coverage.

### Lighthouse Avionics

Hilliard, OH

*Software Development Intern | Full-Stack (Vue.js, Django, Python)*

*May 2024 – Aug 2024*

- Developed an API-powered query page, accelerating detection and classification by 84% using Vue.js and Django.
- Designed a responsive, low-latency UI using WebSocket and CSRF token handling for secure data communication.
- Reduced system overheating by 60% through a multi-mode temperature control system with automated logic.

## PROJECTS

### Open Path (JPMorgan Code for Good 2025) | Django, React, MongoDB, TypeScript, Tailwind

Nov 2025

- Built a full-stack CLEP policy platform for Modern States, serving 700K+ learners and 3K+ partner colleges.
- Developed Django REST APIs and MongoDB Atlas pipelines for real-time synchronization and secure access.
- Optimized frontend performance and user flow by 40% by building a React + TypeScript interface leveraging Tailwind UI, Google Maps API, and AI-generated summaries to streamline navigation and data display

### Core Commerce | Java (Spring Boot), React, TypeScript, PostgreSQL, AWS S3, Docker

June 2025

- Built an e-commerce platform with RESTful APIs supporting inventory tracking across 10+ product categories.
- Architected infrastructure with Docker Compose and Spring Boot, streamlining deployments.
- Integrated AWS S3 for product image storage, ensuring scalable support for 1,000+ assets.

### Future Map | React, Node.js (Express), TypeScript, MongoDB, OpenAI API, LinkedIn API

Mar 2025

- Built an AI-powered career planning platform serving 3.7M+ students to reduce post-graduation uncertainty.
- Engineered a recommendation engine using Node.js (Express), and MongoDB to generate five dynamic content modules (majors, courses, extracurriculars, etc.) displayed on a real-time interactive dashboard.
- Integrated LinkedIn API and modular REST endpoints to map student interests to professional networks, boosting engagement and career-match accuracy by 35% through intelligent data linking and caching.

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, TypeScript, C++, C#, Swift, SQL, HTML, CSS

**Frameworks/Technologies:** React, Django, Node.js, Tailwind, MongoDB, AWS, Spring Boot, GraphQL, REST APIs

**Developer Tools:** Linux, Git, GitHub, VS Code, Xcode, Eclipse, Jira, Agile, Figma, Docker, Fork

## LEADERSHIP & ACTIVITIES

### Buckeye Google Developer Club

*Developer*

*May 2025 – Present*

- Honed skills in Google Cloud through compute, infrastructure, and deployment projects.
- Pursuing Google Project Management Certification focused on Agile and stakeholder collaboration.

### Big Data Analytics Association

*Project Leader*

*Jan 2024 – Present*

- Led analysis of 200K+ traffic stop records to uncover racial disparities using Python, Pandas, and Matplotlib.
- Built interactive dashboards that simplified statistical insights and promoted data-driven equity discussions.