Shayan Manoharan

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EDUCATION

The Ohio State University   **Columbus, Ohio**
Bachelor of Science in Computer Science and Engineering (GPA: 3.9/4.0)   *Expected Graduation: May 2027*
- **Relevant Coursework:** Operating Systems, Data Structures and Algorithms, Software Development and Design, Artificial Intelligence, Database Systems, Web Applications, Computer Organization, Linear Algebra

SKILLS

Languages: Python, Java, JavaScript, TypeScript, C++, C#, Swift, CSS, SQL, HTML, XML, x86 Assembly
Frameworks/Technologies: React.js, Node.js, Vue.js, Django, Firebase, Spring Boot, GraphQL, Three.js, Pandas
Developer Tools: Linux, Git, GitHub, Visual Studio Code, Xcode, Eclipse, Jira, Agile, Figma, SVN, Fork

WORK EXPERIENCE

WillowTree, A TELUS Digital Company   *May 2025 – August 2025*
Software Engineering Intern | iOS + Backend (Swift, C#) | Cross-functional, Agile environment
- **Integrated live Radar SDK in Swift across 4,500+ stores** to boost real-time location accuracy and app stability
- Spearheaded "Favorite Order" feature that **improved repeat order flow efficiency by 30%** for 41M+ lifetime users
- **Boosted order analytics visibility by 15%** through Segment tracking, supporting insights across 9M+ active users
- Refactored resolvers in C# and updated GraphQL endpoints to support BFF tokens, **improving backend reliability for 497K+** daily users and increasing test coverage

Lighthouse Avionics   *May 2024 – August 2024*
Software Development Intern | Full-Stack (Vue.js, Django, Python) | Multidisciplinary, Startup environment
- Developed an API-powered query page, **accelerating detection and classification by 84%** with Vue.js and Django
- Designed a responsive, low-latency UI using WebSocket and CSRF token handling for secure data communication
- **Reduced system overheating by over 60%** through an intelligent, multi-mode temperature control system featuring automated and manual heating/cooling logic

PROJECT EXPERIENCE

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, Spring Boot, and PostgreSQL**, streamlining deployments
- Integrated **AWS S3 cloud storage for product images**, ensuring scalable support for 1,000+ assets

Future Map | React, Node.js, TypeScript, MongoDB, OpenAI API   *March 2025*
- Developed an **AI-powered academic planning tool targeting 3.7M+ students** facing post-graduation uncertainty
- Engineered a **personalized recommendation engine using OpenAI** to boost student engagement, generating 5+ dynamic content modules (majors, programs, certifications, etc.) displayed on a real-time interactive dashboard

PharmaGo | React Native, Expo, Figma, Visual Studio Code, Git   *September 2024*
- Crafted a cross-platform app to **expand pharmaceutical access by 25%** for immobile patients
- Utilized React Native and **Google Maps API kit to create a user-friendly interface** with large buttons and real-time navigation to allow elderly users to confidently navigate unfamiliar technology
- Implemented secure trust and certification system to ensure verified delivery of prescription medications

AWARDS AND ACTIVITIES

Buckeye Google Developer Club – Developer   *May 2025 – Present*
- Honed skills in Google Cloud through training in compute, infrastructure, storage, and deployment services
- Advancing Google Project Management Certification with focus on Agile, Scrum, and stakeholder management

Big Data Analytics Association – Project Leader   *January 2024 – Present*
- Led an analysis of 200K+ traffic stop records to uncover racial disparities, applying Python, Pandas, and Matplotlib for statistical modeling
- Created visual dashboards that simplified statistical findings, sparking discussion on equity in policing

Dean's List: Ohio State College of Engineering – 4x Recipient   *December 2023 – Present*