Bhashini Yasam

Bhashiyasam@gmail.com | (614) 687-6959 | [LinkedIn](#) | [GitHub](#) |

EDUCATION

University of Maryland, College Park   **Dec 2024**
Bachelor of Science in Computer & Information Science, Data Science Minor
- Recipient of AmazonNext Scholarship, **3x** Travel Scholarships (Grace Hopper Conference, NDiSTEM, BEYA), Involved in Rewriting the Code, ColorStack, LSAMP, WIT, Amazon Women of the World
- **Certifications:** [Amazon Cloud Practitioner](#), CodePath Advanced Technical Interview Prep [Course](#)

CERTIFICATIONS, SKILLS & INTERESTS

- **Languages & Frameworks:** Python, Java, C, Swift, R, JavaScript (ReactJS, NodeJS, React Native, ThreeJS), HTML, CSS, Flask, Firebase, MongoDB, ORM Frameworks
- **Tools & DevOps:** Git, GitHub Actions, Jenkins, Bash, API's, Postman, AWS (EC2, S3, Lambda)
- **Data & Workflow:** MySQL, MSSQL, Power BI, Tableau, Pandas, Plotly, Unit Testing, SDLC, Scrum

EXPERIENCE

Inovalon - Technology Intern   **May 2024 – Aug 2024**
- Queried internal SQL databases to extract workforce insights and built interactive Power BI dashboards for HR.
- Streamlined manual reporting processes by creating automated templates, improving reporting delivery time.
- Designed and launched an internal SharePoint site to centralize HR reporting tools and documentation, improving accessibility and collaboration.

Amazon - Machine Learning Intern   **Jan 2023 – May 2023**
- Improved an AI-based human trajectory prediction system by fine-tuning model parameters using Python, Pandas, and Google Colab, reducing pedestrian-robot collisions to zero in simulation.
- Achieved **100%** reduction in simulated pedestrian collisions from **3/3** given scenarios. Collaborated with team members to test and validate changes in the ML system, using Git for code integration.
- Debugged and modified a large-scale research-based codebase, leveraging insights from the **[CVPR'20 Social-STGCNN](#)** research paper to increase prediction accuracy.

Ticketmaster - Software Engineer Intern   **Nov 2022 – Jan 2023**
- Designed and built a Multi-Factor Authentication (MFA) workflow using JavaScript, HTML, CSS, and REST APIs to strengthen customer account security.
- Implemented client-side OTP verification and integrated backend authentication logic using SQL Server Sybase.
- Enhanced login security and reduced authentication failures, positively affecting over **50,000** clients worldwide.

University of Maryland - Java Programming Tutor   **Feb 2022 – Dec 2024**
- Supported **30** undergraduate students in learning Python programming by creating presentations, lesson planning and leading code labs while clarifying concepts.
- Tutored and mentored over **85** minority students in Java programming as part of a diversity and inclusion initiative, boosting their coding skills and positively influencing their career growth and confidence in tech.

SOFTWARE PROJECTS

[Adhera](#) A React Native app integrated with Node.js backend, Firebase, and MongoDB, enabling smart scheduling, AI-powered calorie tracking, and automated patient engagement for weight loss clinics.
[NeuroLark](#) Voice-based assistant app for dementia patients that serves as a daily companion, providing reminders and conversational memory support (React, Flask, SQLite, Python, OpenAI API, Whisper)
[18Gita](#) Created an iOS widget to deliver daily Bhagavad Gita verses (Swift, WidgetKit, Xcode).
Maryland Department of Transportation Developed data visualization tools using Python and Plotly to analyze employee commuting behaviors, enabling data-driven decisions for optimizing company transportation programs.
MDOT Project Management Office - Assisted a senior Project Manager in coordinating a legacy-to-modern codebase conversion using cloud digital transformation by tracking progress, documenting technical discussions.