ISHWARYA SAMAVEDHI

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EDUCATION

PURDUE UNIVERSITY   August 2022 - May 2026
Bachelor of Science in Computer Science, Minor in Mathematics
Certificate in Entrepreneurship and Data Science   GPA: 3.74/4.0
Key Coursework
- Data Structures and Algorithms, Computer Architecture, Data Engineering In Python, Programming in C, Object-Oriented Programming, Foundations of Computer Science, Systems Programming, Software Engineering I

WORK EXPERIENCE

Capital One   June 2024 - Aug 2024
Software Engineering Intern   Mclean, VA
- Part of the Digital Payments & Innovation group, working on Paze, a new digital wallet
- Writing Python backend code to implement automation of test cases including live API assertions of functionality
- Managing the software development process using C1's pipeline tooling
- Building a test automation suite using Behavioral-Driven Development in the QA envir. and testing in PROD

Reinsurance Group of America   June 2023 - Aug 2023
Software Engineering Intern   Chesterfield, MO (Hybrid)
- Worked on the RGA's SSDLC Status Update website, helping update information and different features (back-end)
- Wrote new, Javascript code and tests (TDD) for the copy-platform button to be automated rather than manually
- Updated Static/Dynamic Scans by going through Tableau dashboards and communicating with teams
- Tested security platforms for future company software developers and logged my findings

Watlow Electric Manufacturing   June 2022
Data Analytic Intern   Maryland Heights, MO
- Processed large Watlow heater-sensor-readings Excel datasets using Python
- Created multiple machine learning models (Using Google Colab) with over 85% accuracy of failure forecast
- Optimized new heater deployment process and updated the ML models, and used EDA / PCA to predict results
- Models included Logistic Regression, Naive Bayes, CatBoost, XGBoost, and Random Forest

Beanstalk Web Solutions   June 2021 - September 2021
Game Development Intern   Webster Groves, MO
- Worked on the development of the game Ancient Allies Tower Defense, now deployed on the Play Store
- Used Unity to restructure parts of the game and Java / VS to code on the in-game pieces
- Developed problem-solving and team-building skills while working with a team and professionals

RESEARCH AND PROJECTS

Purdue Undergraduate Researcher, Merck 🔗
- Using Agile development methodology and Python to create and connect a Dash web app to the database
- Automating the generation of graph/visualizations from data through parsing user inputs

Serenova: iOS Sleep Manager App 🔗
- Using XCode, Firebase, and HealthKit API, Serenova provides in-depth sleep analysis with user's AppleWatch data
- Community features (forum, friending, messages), alarms, dream journal, rewards, notifications, sleep score, etc.

Personal Website 🔗
- Dynamic portfolio website, showcasing who i am professionally and personally, created with HTML/CSS and JS

Hello World Purdue Hackathon 🔗
- Made an online Purdue-themed clicker game using Visual Studio Code, JavaScript, and HTML in 24 hours

Technica UMD 2022 Hackathon 🔗
- Website connecting women in CS, provides learning resources; used JS/HTML, Replit, and Firebase to store data

SKILLS

Languages: Java, C, C++, Python, JavaScript, Swift, x86, Bash,
Software: MS Office, Excel, macOS, Jupyter, Slack, Android Studio, Firebase, , Unity, XCode, IntelliJ
Tools: Git, GitHub, Test Driven Development, VS Code, Docker, HTML