

# ISHWARYA SAMAVEDHI

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## EDUCATION

### PURDUE UNIVERSITY

2022-2026

**Bachelor of Science in Computer Science, Minor in Mathematics**

**Certificate in Entrepreneurship and Data Science**

GPA: 3.51/4.0

#### Key Coursework

- Data Structures and Algorithms, Computer Architecture, Data Engineering In Python, Programming in C, Problem Solving and Object-Oriented Programming, Foundations of Computer Science

## WORK EXPERIENCE

### Reinsurance Group of America

June 2023 - Aug 2023

#### Technical Architecture Structure Intern

Chesterfield, MO (Hybrid)

- Worked on the RGA's SSDLC Status Update website, helping update features (back-end)
- Wrote new, Javascript code and logic for a user copying a platform for SSDLC (used TDD)
- 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
- Data included features like Heater's Power, Leakage, Temp, etc
- Created multiple machine learning models (Using Google Colab) with over 85% accuracy of failure forecast
- Optimized the new heater deployment process and updated the ML models
- Models included Logistic Regression, Naive Bayes, CatBoost, XGBoost, and Random Forest
- Analyzed data for correlations using EDA and PCA to also predict results

### 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 re-structure 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

### Eye Level

Jan 2019 - September 2021

#### Tutoring Assistant

Chesterfield, MO

- Taught math concepts to students ranging from K-11, provided direction, and answered questions.

## RESEARCH AND PROJECTS

### Purdue Undergraduate Researcher, Merck

- Using Agile/Scrum methodology and Dash to create and connect a web app to the database
- Semantic Data Modeling for Medical Literature to assay optimization for potential drug candidates

### Purdue Hackathon: Hello World

- Made an online Purdue-themed clicker game using Visual Studio Code, JavaScript, and HTML in 24 hours
- <https://petes-paradise.netlify.app/>

### Technica UMD 2022 Hackathon

- Website connecting women in CS Provides learning resources to support programmers reach their goals
- Coded with Replit and Firebase to store data
- <https://devpost.com/software/queens-connect>

## SKILLS

**Languages:** Java, C, C++, Python, JavaScript

**Software:** MS Office, Excel, macOS, Jupyter, Slack, Android Studio

**Tools:** IntelliJ, Git, GitHub, Test Driven Development, VS Code, Docker, HTML, Unity