

# Adharsh Maheswaran

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<https://github.com/amaheswa1> • U.S. Citizen – Open for Gov Security Clearance

## EDUCATION

University of Maryland, College Park

August 2022 - May 2025

- **Bachelor of Science, Information Science (Data Science Concentration)**
- **Relevant Coursework:** Data Analytics, Software Design, Advanced Data Science, Data Visualization, Database design, Data Structures & Algorithms, Human-Centered Cybersecurity, UI/UX (Human-Centered Design), Dynamic Web Applications.

## SKILLS & CERTIFICATIONS

- **Certifications:** **AWS Solutions Architect Professional**
- **Languages:** Python, Java, SQL, JavaScript, R
- **Frameworks/Tools:** VS Code, vim, Git, BitBucket, GitHub, React, Node.js, Docker
- **Cloud:** AWS - EC2, S3, Athena, Glue, Terraform, CLI, Secret Manager, CloudFormation, Lambda, RDS, IAM, Sagemaker
- **Other:** JSON, CSV, API Gateway, Data Analytics, Tableau, Streamlit
- **Software Development:** Object-Oriented Design, Data Structures, System Design, API Development, Cloud Infrastructure, Data Modeling, CI/CD - Bitbucket Pipelines, JIRA
- **Project Communication:** Agile, Project Plans, Communication Skills, Confluence
- **Application Development:** CMS, Website design, Apache HTTP server, Mobile App, PHP, HTML5, CSS, JavaScript

## EXPERIENCE

Data Analyst Intern | University of Phoenix | Phoenix, AZ

Summer 2025

- Automated large-scale marketing data validation pipelines using Python, Pandas, and Boto3 to compare Supermetrics-fed AWS Athena tables with TikTok and Facebook API data.
- Utilized AWS Athena and Glue for structured SQL querying, cleaning, and generating reports to ensure accurate campaign metrics for stakeholders.
- Integrated AWS Secrets Manager for secure API authentication and documented processes in Confluence, ensuring scalability and team onboarding.
- Implemented Lambda functions to integrate API responses from TikTok, Facebook to aggregate marketing campaign results to feed a master Power BI report.
- Used Bitbucket for version control, Jira for ticketing, Confluence for documentation, Microsoft Teams, and Slack for team collaboration.
- Followed Agile team methodology and collaborated continuously. Finished all assignments on time and documented the processes and steps on Confluence for future reference.
- Attended daily sprints, participated in team discussions, and backed up team members when they were away.

Teaching Assistant | University of Maryland | Maryland

Jan 2024-May 2025

- Worked as a TA and mentored a class of 50+ students in **Introduction to Python Programming, R (Statistics/Mathematics), and Databases using MySQL**. Guided students on complex concepts, facilitated discussions, and helped students troubleshoot coding challenges. Skilled in managing ambiguity, resolving conflicts, and fostering an engaging learning environment.

Software Development Intern | Tellmore.ai | Washington D.C.

Summer 2024

*Tellmore.ai is a startup company leveraging AI to develop innovative solutions for customer experience*

- Built a production-ready, cloud-native chatbot using Python, LangChain, and OpenAI GPT models, deployed using AWS Lambda and container services.
- Developed prompt workflows and automated customer support features, improving user engagement and reducing manual response time.
- Managed CI/CD pipelines using GitHub Actions and collaborated in Agile sprints.

#### Software Engineer Intern | Aspire Systems | San Jose, CA

Summer 2023

- Designed a GenAI Q&A chatbot pipeline using Hugging Face models on AWS with Microservices architecture to ensure scalability and reliability.
- Conducted unit testing and code reviews while managing Git-based version control in a DevOps environment.

#### Software Development Intern | AVMSi Technologies | Laurel, MD

Summer 2022

- Integrated ML models to classify and prioritize customer support tickets, optimizing distributed architecture to improve latency and scalability.
- Applied cloud-native best practices for real-time applications, utilizing AWS, GitHub, and automated deployment workflows.

### LEADERSHIP EXPERIENCE

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- **HopHacks Award-Winning Project:** Led a cross-functional team in developing a smartphone app for real-time overdose detection, leveraging MongoDB and Google Cloud for seamless data integration. Collaborated across disciplines to ensure robust functionality, scalability, and real-time responsiveness.
- Executive event coordinator of a cultural group.

### PROJECTS

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#### AI Code Review Assistant

- Created a **cloud-native** tool for static code analysis using **AWS Cloud**, **Python**, **React**, and **Hugging Face**; enabled automated pull request feedback.

#### Healthcare Predictive Analytics Platform

- Deployed a **cloud-hosted** health outcome predictor using **AWS EC2**, **MySQL**, and **TensorFlow** to evaluate patient readmission risks.