

# Ayham Huq

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## EDUCATION

The Ohio State University, Columbus, OH | B.S. Computer Science and Engineering  
Graduation: May 2025 | Cumulative GPA: 3.95

## WORK EXPERIENCE

**CapTech Ventures** – Chicago, Illinois

*Associate Software Consultant*

*July 2025 – Present*

- Consulted for a client team from a Fortune 100 financial company to migrate a direct messaging service to AWS and maestro using various Spring APIs, Kinesis, DynamoDB, Lambda, and SQS
- Operated across 3 teams to seamlessly incorporate changes and coordinated production deployment during a period of elevated risk
- Reported to a top sports league to make improvements to an Agentic AI platform fullstack
- Drastically improved precision and recall of the model with reranking and model-based evaluation

**Publicis Sapient** – Chicago, Illinois

*Software Engineer Intern*

*June 2024 – August 2024*

- Collaborated on an Agile-focused client project for a Fortune 25 company to enhance user experiences on a healthcare app by using personalized predictive healthcare analytics
- Trained an AI model and chat bot using an OpenAI embeddings model with LangChain
- Hosted React Native app on an emulator with a Python Flask and Azure SQL database backend
- Adhered to SOLID principles, leveraged CI/CD using Vercel, and executed Jest unit testing to ensure code quality meets industry standards

**Sallie Mae** – Indianapolis, Indiana

*Software Engineer Intern*

*May 2023 – August 2023*

- Employed scaled Agile framework with Azure DevOps and Git to complete projects across 7 sprints
- Innovated a system to redirect thousands of daily config SNS messages across to CloudWatch Logs and S3 using Lambda functions written in Python AWS SDK to reduce email clutter for users
- Wrote an Ansible script and a Cloud Formation template in YAML to automate code deployment in production as well as deploy resources such as Athena SQL queries with Glue and S3
- Built a Python script to automate cross account access and subscriptions for hundreds of current AWS accounts while simultaneously minimizing security risks

## SKILLS

- Proficient Languages: Python, C, C++, C#, Java, JavaScript/React, x86, MATLAB, HTML, SQL
- Amazon Web Services: Lambda, SNS, S3, Athena, IAM, CloudFormation/CDK, API Gateway
- Other software: VS Code, Eclipse IDE, GitHub, Git, SVN, Vim, Jira, Linux

## PROJECTS

**AEP Hackathon Project**

*October 2024 – October 2024*

- Won 2<sup>nd</sup> place in AEP challenge in 24-hour hackathon against 17 teams and over 800 participants
- Trained an AI safety classification model using FAISS, ensuring precision with preprocessing including lemmatization and removal of stopwords on 20,000 rows of user responses
- Integrated a cross-platform application to enable real-time feedback on safety reports in the field

## CERTIFICATIONS

- AWS Certified Solutions Architect – Associate
- AWS Certified AI Practitioner - Associate