

Ashrita Raman

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EDUCATION

Cornell University, Arts and Sciences, Ithaca, NY

Aug 2017 – Dec 2020

Major: Computer science / Minors: Music, linguistics

Cumulative GPA: 3.6/4.0

Relevant Coursework: Analysis of Algorithms, Natural Language Processing, Text Mining, Programming for the Web, Information Retrieval, Machine Learning, Practicum in Artificial Intelligence, Object Oriented Programming and Data Structures, Operating Systems

TECHNICAL SKILLS

Java, Python, Swift, HTML/CSS, Sass, JavaScript, Bootstrap, React, React Native, Angular, TypeScript, Jest, NgRx, Go, Firebase, Spring Boot, Agile, Pandas, Azure, Snowflake, Kubernetes, Docker, OpenShift, GraphQL, Grafana, Prometheus, Redis, REST APIs

Certifications: Microsoft Certified: Azure Fundamentals (*issued Feb 2022*), Azure AI Fundamentals (*issued Feb 2024*)

Courses: Practical applications of LLMs, Prompt engineering with Generative AI

PROFESSIONAL EXPERIENCE

Blackrock, New York, NY

Aug 2021 – Present

Software Engineer

- **Aladdin Research** (Feb 2022-August 2022 and present role):
 - Using Java, Angular and Typescript to develop a web application used by equity analysts and portfolio managers to publish research notes
 - Integrating OpenAI APIs to perform text summarization on research notes to streamline research for analysts
- 2 year rotational program for new graduates (previous teams):
 - **Trading:** Feb 2023-August 2023
 - Leveraged GraphQL and Java to integrate fixed income workflows within the trading ecosystem
 - Designed scenarios to simulate FIX messages for testing FIX connectivity with Tradeweb
 - **Aladdin Studio:** Aug 2022-Feb 2023
 - Worked with a platform built on top of Kubernetes and Go that enables developers to test and deploy web apps
 - Integrated prometheus within the application to monitor container resource limits and CPU/memory usage
 - **Reconciliation:** Aug 2021-Feb 2022
 - Led efforts to replace a legacy C server that handles cash flows with a Java server using Spring Boot and Hibernate
 - Tested the server on 100+ threads and 10000+ iterations and significantly improved performance time by 87.3%

mayk.it, Remote

Jan 2021 – May 2021

iOS Engineering Intern

- Worked with a team of 5 developers to build an app that democratizes music
- Used the RxSwift framework to implement sign in and invite flows
- Implemented LKFS audio normalization using the AVFoundation library and fixed over 40 bugs in UI and audio

IvyOnlineAcademy, Ithaca, NY

Sep 2020 – Dec 2020

Machine Learning Intern

- Implemented sentiment analysis algorithms using recurrent neural networks to interpret financial documents and predict stock market movements
- Processed financial documents with over 300 article titles and outputted the sentiment for each article

rapStudy, Remote

June 2020 – July 2020

Full Stack Developer Intern

- Developed an e-learning website that helps children learn lyrically to increase engagement and retention
- Implemented website components using React and retrieved user, playlist, and song data with Firebase
- Wrote unit tests for React components using Jest and Enzyme