Utkarsh Jain

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EDUCATION

UNIVERSITY OF WISCONSIN, MADISON

B.S. in Computer Science
2017 - 2019
Cum. GPA: **4.0/4.0**

DELHI TECHNOLOGICAL UNIVERSITY

B.Tech. in Computer Science
2015 - 2017

LINKS

Personal Website:
utkarshj1303.github.io
Meshiagare: **meshiagare.vercel.app**
Github:// **utkarshj1303**
LinkedIn:// **utkarshj1303**

COURSEWORK

GRADUATE

• Computer Vision

UNDERGRADUATE

• Matrix Methods in Machine Learning
• Introduction to Artificial Intelligence
• Data Management for Data Science
• Medical Image Analysis
• Bioinformatics
• Intro to Operating Systems
• Computer Networks
• Data Structures
• Design and Analysis of Algorithms

MOOCS

• Machine Learning (Coursera)
• Deep Learning Specialization - Convolutional Neural Networks (Coursera)
• Become an Android Developer from Scratch (Udemy)
• Algorithms: Design and Analysis, Part 1 (Coursera)

SKILLS

PROGRAMMING

Most Familiar:
• C++
Frequently Used:
• Java • Javascript • Python
Familiar:
• C • Scala• MATLAB

COMPETITIVE PROGRAMMING

Participated in some coding competitions using **C++** .

• Rank 74/2811, OpenBracket Delaware - Invited to Onsite Round

• Rank 615/11390, Codechef SNCKPB17

• Rank 260, Google Kickstart Practice Round 2018

• Rating: 1688, Codechef

EXPERIENCE

AMAZON | Software Engineer
October 2022 – Present | New York, New York

- Designed and implemented a **custom Google Drive-like system** from scratch along with another team member, closely working with and receiving constant feedback from the product team. This was part of a wider project which helped users manage advertising campaigns exceeding $750k directly from OMS.
- Developed the back end for the Google Drive-like system using **Java, AWS S3, and AWS DynamoDB** . The front end was developed using **JavaScript and React** .
- Collaborated closely with Amazon's DSP team to build a widget in OMS which allowed users to push goals and optimization information for managed advertising campaigns to the DSP.
- Extended OMS's campaign approval workflow to the EU region by adding additional stages and rules required for the region.
- Onboarded and mentored a new team member by giving her code walk throughs, planning initial tasks designed to help familiarize her with the code base, and setting up a recurring 1:1 to answer questions.

TWITTER | Software Engineer
September 2021 – June 2022 | New York, New York

- Worked on the Messaging team which manages the **Apache Kafka** infrastructure at Twitter and provides API's to internal clients to help them effectively use Kafka for their needs.
- Created dashboards to help customers get a better insight into the performance of their Kafka Connect instances.
- Helped automate a tedious workflow which helped customers quickly deploy Kafka Connect instances by themselves.
- Rapidly on-boarded and participated in on-call shifts where I independently closed most of the pages assigned to me.

BLOOMBERG | Software Engineer
August 2019 – September 2021 | New York, New York

- Worked on the AIM OTE team which built the frontend and backend for the entry points to Bloomberg's buy-side portfolio management solutions.
- Identified bottlenecks by analyzing performance of our main service for different service configurations (number of threads, instances etc) under various loads.
- Helped **increase the throughput of our main I/O bound C++17 service 3x** by reducing slow service calls.
- Contributed to the team wide migration efforts from our old to new stack by adding various features/fixing bugs.
- Took various internal technical courses including a course in modern C++.

CHICAGO TRADING COMPANY | Software Engineering Intern
June 2018 – August 2018 | Chicago, IL

- Was solely responsible for my project which consisted of writing two small services in **Java** and a UI using **Java Swing** , all completely from scratch.
- My project displayed information to traders using heatmaps and was put into production by the end of my internship. It was heavily used by traders to capitalize on the volatility in Tesla options at the time.

PROJECTS

MESHIAGARE - RESTAURANT SUGGESTIONS FOR GROUPS USING AI

• Developed a webapp that helps groups find new restaurants catering to everyone's preferences, using **Anthropic's Claude Haiku** and **Perplexity's online LLM API** .
• Implemented a user-friendly interface with personalized profiles, chat functionality, and a shared map where each member of the chat can can see the pins for restaurants other members of the group have found.
• Used Anthropic's Claude Haiku to translate user input into search queries and parse suggestions from Perplexity's online LLM API, which searches the internet to provide tailored recommendations based on the group's preferences, restrictions, and price range, while also summarizing conversations for seamless multi-turn interactions, enabling users to request a wide range of suggestions for specific occasions or authentic dish preparations.
• Built using NextJS, Vercel, Typescript, and Tailwind CSS