Alex Kumar

(909) - 289 - 7980 | alexkumar811@gmail.com | Irvine, CA
linkedin.com/in/alexkumar520 | github.com/alexkumar520 | alexkumar.me

Education

University of California, Irvine *September 2017 — April 2021*
B.S. Computer Science. GPA: 3.1

Relevant Coursework:

Data structures and algorithms, Operating Systems, Networks, Relational Databases, Full Stack Development, Information Retrieval, Artificial Intelligence, Programming Languages, Software Engineering Techniques

Experience

Amazon **Remote, CA**
Software Development Engineer I - Connector & Networking *August 2022 — Present*
- AmazonLink, a messaging platform for B2B communications for deliveries and inventory
- Working on SFTP-Next, use of SFTP for messaging between customer and our service

Walmart Global Tech **Sunnyvale, CA**
Software Development Engineer II - Last Mile Delivery Team *July 2021 — June 2022*
- Worked on backend for Dynamic Batching to add orders to already created trips to speed up deliveries
- Developed Kafka consumer and integration tests to efficiently run tests for deployment

Course Tutor at University of California, Irvine **Irvine, CA**
Tutor for Intermediate Programming *January 2021 — April 2021*
- Assisted 50 students in labs with programming homework and any other questions regarding coursework
- Reported feedback to professor every lab section with what wasn't understood well in the course altogether
- Helped teach topics such as data structures, algorithms, Regex, recursion, classes and operator overloading

Projects

Group Greenery *devpost.com/software/group-greenery*
- Worked in a team of 4 to develop a webapp that encourages community gardening by connecting neighbors
- Integrated Twilio API to notify users for weekly updates on shared gardens using Node.js and JavaScript
- Set up user login authentication using Firebase Authentication and OAuth on GCP
- Winner of Best Hack Code Green, Honorable Mention for Best Hack using an Autonomous Database

Movie Catalog *Private Repo*
- Built a full stack web app built as a class project to help users find and purchase movies
- Built API endpoints for the website to retrieve data from the backend (MySQL) using Tomcat Web Servlets
- Set up cookies and sessions for login and load balancing for scalability with both AWS and GCP

Search Engine *Private Repo*
- Worked in a group of 3 to make a search engine that queries through the UCI computer science catalog
- Built an inverted index for querying using Regex for tokenization — lead to query results under 300ms
- Incorporated cosine scoring of length-normalized vectors for page ranking using Scikit-Learn

Skills

Languages: Python, C++, Java, SQL
Frameworks/Technologies: Spring, Kafka, Kubernetes, Git, AWS, GCP