

AKSHAY JAIN

Los Angeles, CA

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EDUCATION

University of Southern California

(expected) May 2021

Master of Science in Computer Science

GPA 3.6/4

Coursework: Algorithms, Artificial Intelligence, Operating Systems, Applied NLP, Web Technologies, Software Engineering, Information Retrieval

University of Mumbai

May 2019

Bachelor of Engineering in Computer Engineering

GPA 9/10

WORK EXPERIENCE

Amazon Web Services, Virginia

Software Development Engineer Intern

May 2020 - August 2020

- Developed a full stack service for a learning platform used at major AWS events such as re:Invent
- Designed and implemented an event model and REST APIs in Go for customization of a specific event's metadata, powered by AWS services (API gateway, Lambda, DynamoDB, Cloudformation) and thoroughly tested the service with unit and integration tests
- Reduced manual developer workload by as much as 3 hours by enabling customization of events through a UI built with React and integrating the service for automatic, instant updates on the learning platform using the REST APIs

Bhabha Atomic Research Centre (BARC), Mumbai

Research Intern

September 2018 - January 2019

- Implemented fuzzy TOPSIS to rank uncertainty in medical vital sign measurements to analyze threat levels
 - Utilized a deep TSK fuzzy learning model to show improved performance on ambiguous medical data by limiting bias and reducing the need for preprocessing ambiguity
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SOFTWARE PROJECTS

github.com/pixelexel (For more details, open source contributions and other projects)

Stock Market Android app, github.com/pixelexel/Stockkr-Android

Built a stock market app for Android to deliver stock info, price charts, news and ability to buy/sell shares using Tiingo and NewsAPI APIs

Responsive Stock Market Web App built with Angular, stockkr.akshayx.xyz

Built a responsive stock market web app with Angular and a serverless backend using Netlify lambda functions

Blog for Meta Nutrition

- Collaborated with a team of 8 to build a blog for Meta Nutrition (our clients for a Software Engineering class)
- Prepared feasibility evidence and developed comment, like, share and admin features for the blog using Next.js

Student Analytics platform, bit.ly/studentanalyticsplatform

Smart India Hackathon 2018, Innovation Award Winners

- Helped build a student analytics platform for underprivileged public schools to identify students in need of a scholarship, tech stack used: Django and React
- Developed a tool to map differently labeled student data from multiple schools into a single Django model

Bloggr, A responsive blogging platform developed using Django, bit.ly/Bloggr

Developed a blogging platform using Django with user authentication, markdown and comment support

Twitter Sentiment Bot, bit.ly/SentimentBot

Built a Twitter bot with Node.js for sentiment analysis about a topic/person using TextBlob's Python library

SKILLS

Programming Languages: Javascript, Typescript, Python, Java, Go, C

Frameworks, Libraries and Platforms: React, Angular, Next.js, Node.js, Django, Flask, Git, AWS services