

Aayush Kamath

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Looking for Software Engineer, Data Engineer and Data Scientist roles.

EDUCATION

Columbia University

Master of Science in Computer Science

New York, New York

Jan 2022 - May 2023

Courses: Applied Machine Learning, Cloud Computing and Big Data, Computer Vision II.

Sardar Patel Institute of Technology, University of Mumbai

Bachelor of Technology in Information Technology

Mumbai, Maharashtra

Aug 2017 - May 2021

Courses: Advanced Data Structures, Data Analytics, Digital Image Processing.

SKILLS

Programming Languages: Python, SQL, R, Java, C.

Developer Tools: Git, AWS, Google Colab, VS Code, R Studio, Tableau, MS Excel.

Libraries: Keras, TensorFlow, PyTorch, Scikit Learn, Matplotlib, Pandas, NumPy, Seaborn, OpenCV.

Web Technologies: HTML, CSS, Bootstrap, JavaScript, React, Django, Angular, Nodejs.

WORK EXPERIENCE

ICPC Foundation

Software Engineer Intern

New York, New York

August 2023 - Present

- Working on Competitive Coding problems associated with data structures and algorithms using Python.

Columbia Business School - APTitude (Columbia Build Lab)

Software Engineer Intern

New York, New York

May 2022 - Aug 2022

- Implemented checkpoints such as Bank Account Information Authentication module for Tenant verification using Plaid API and Python.
- Initiated smart contract creation and token generation by evaluating checkpoints for approval of rental application of tenants using Solidity framework.

ACADEMIC PROJECTS

Investment Portfolio Management using Machine Learning

Feb 2023 - May 2023

- Implemented LSTM and regression models by training on large scale time series data of S&P 500 stocks in a 10-year period for forecasting stock prices.
- Developed a user interactive dashboard with a Django backend and React front-end framework, for visualization of data obtained from exploration and modeling phase.
- Strategized stock management for long-term investment portfolios leveraging Mean Variance Optimization to create sector wise portfolios with minimum risk and 30% yearly returns on investment.

Coffee Factory

Feb 2022 - May 2022

- Established a comprehensive review aggregator ecosystem comprising of hundreds of coffee shops with features such as User Profile, User Reviews, Search, Filter by Categories, Shop details, etc.
- Deployed a React frontend web application, hosted on AWS Amplify to interact with users and a backend of coffee shops anchored by S3 Bucket and DynamoDB.
- Integrated Services/APIs: AWS Services (Cognito, Amplify, Dynamo DB, S3 Bucket, etc.), Google Reviews API, Google Maps API, React.

Dining Concierge Chatbot

Apr 2022 - May 2022

- Engineered a full stack web application on AWS, leveraging cloud technologies to recommend restaurants to a user based on cuisine, time slot and location preferences.
- Designed an Amazon Lex based recommendation bot to answer user queries by incorporating key intents.
- Utilized Services/APIs such as Amazon Lex, Elasticsearch, DynamoDB, API Gateway, SQS, SNS, AWS Lambda, Yelp API.

CERTIFICATIONS

- IBM Data Science Specialization: Consisted of 9 courses including Data Analysis with Python, ML with Python, Data Visualization with Python and an Applied Data Science Capstone Project on Coursera, April-July 2020.