

Aayush Kamath

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

EDUCATION

Columbia University

New York, New York

Master of Science in Computer Science

Jan 2022 - May 2023

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

Sardar Patel Institute of Technology, University of Mumbai

Mumbai, Maharashtra

Bachelor of Technology in Information Technology

Aug 2017 - May 2021

Courses: Advanced Data Structures, Database Management Systems, 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

Columbia Business School - APTitude (Columbia Build Lab)

New York, New York

Software Engineer Intern

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 time 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.