Hardik Jivani

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EDUCATION:

New York University, Master of Science in Computer Science | GPA – 3.7/4 ⟶ May 2020
(Courses: Database Systems, Big Data, Machine Learning, Design & Analysis of Algorithms, Cloud Computing, Computer Vision)
Mumbai University, Bachelor of Engineering in Computer Engineering | CGPA – 8.7/10 ⟶ May 2018
(Courses: Artificial Intelligence, Machine Learning, Image Processing, Soft Computing, Parallel and Distributed Systems)

TECHNICAL SKILLS:

Programming Languages: Python, SQL, Node.js, jQuery, C, Java, React.js, JavaScript, NoSQL
Cloud Technologies: Amazon Web Services, EC2, Lambda, ElasticSearch, DynamoDB, Kinesis, SageMaker, S3
Tools/Technologies: Django, Flask, Dash, Git, Computer Vision, Docker, Next.js
Big Data/Databases: Hadoop, Kafka Streaming, PySpark, SparkSQL, SparkML, MongoDB, MySQL, Firebase
Python Packages: scikit-learn, selenium, pandas, numpy, scipy, statsmodels, scrapy, matplotlib, seaborn, spacy, nltk

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EXPERIENCE:

Software Engineer Intern, Centiment Capital Holdings Inc, New York (Python, **Flask**, **Dash, SQL,** EC2) ⟶ Feb 20-Present
- Developed robust code to do automated cryptocurrency trading on Coinbase and BitMEX exchanges and deployed on EC2 instance producing Kafka Stream of log data
- Built and deployed Flask app on EC2 instance which serves various dashboards for the customers to increase the profit of the cryptocurrency being traded by the data consumed from the Kafka Brokers

Software Engineering Data Intern, Applied Informatics Inc, New York (**Python, Web Scraping**, Linux, **Docker)** ⟶ May 19-Sept 19
- Implemented scalable, fault-tolerant, robust and well-documented code across a distributed architecture leveraging Docker for scraping clinical trials data
- Performed Exploratory Data Analysis on the clinical trials data to gain a deeper understanding of the problem and generate data-driven insights
- Developed the next-generation automation script for performing Exploratory Data Analysis with matplotlib and seaborn
- Performed Statistical Significance test on each attribute with the target feature of any given dataset
- Implemented predictive models to predict results of clinical trials based on the clinical trial title which were integrated with the company product, and helped identify the positive and negative elements

Research Intern, **Tata Consultancy Services,** Mumbai, India (**Java**, **OpenNLP**, Tensorflow) ⟶ Jun 17-Jul 17
- Implemented Entity Recognition and labelling intent using OpenNLP by training various sentences of a Library Management System; achieved 88% validation accuracy
- Designed a web application using the above model which predicts the user's intention and entities, and adds new systems and trains the model based on the user's training data.

ACADEMIC PROJECTS:

MyMacroChef (AWS, **Alexa, SageMaker**, Geolocation, Kinesis, **Lambda, Cognito**) ⟶ Oct 19-Dec 19
- Developed a scalable intelligent BMI based Meal Planner and Delivery web application using SageMaker to recommend meals based on BMI and using Geolocation to track delivery location

Smart Photo Album (AWS **Rekognition, Lex, ElasticSearch**, Transcribe, Virtual Private Cloud) ⟶ Nov 19-Dec 19
- Developed a photo album web application in which a user upload and search photos using text and voice

Smart Door Authentication System (AWS, **Kinesis Video/Data streams**, Lambda, Rekognition, DynamoDB) ⟶ Oct 19-Nov 19
- Developed a system to identify the visitors using AWS Kinesis Video Stream and AWS Rekognition that authenticates visitors and provides them access to a virtual door

Dining Concierge Chatbot (AWS, Lex, Lambda, DynamoDB, Yelp API) ⟶ Sept 19-Oct 19
- Developed a web-based ChatBot to recommend restaurants to the customers, based on cuisine and location preferences

PUBG Rating System & Analysis (Python, **PySpark, Kafka**, SparkSQL, Node.js, **MongoDB**) ⟶ Mar 19-May19
- Developed PUBG match rating algorithm to keep rating relative with the recent activity of each player in matches and update data in the MongoDB. Built MongoDB Pipeline to display statistics on the PUBG ratings website using Node.js

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PERSONAL PROJECTS:

- Built **Job Scraper** to scrape most relevant jobs from job portals using **Python3 Selenium** and **BeautifulSoup**
- Built **Meetup Automation Bot** for sending messages to welcome new users to the meetup group using **Selenium** and **OpenCV**

PUBLICATION:

"**Forecasting Indian Stock Market Using Artificial Neural Networks**", presented in International Conference on Computing, Communication, Control and Automation. Publisher-**IEEE** (8697724) ⟶ Published: April 25, 2019