ADITYA JAIN

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EDUCATION

New York University, Master of Science - Computer Science, *GPA: 3.7/4.0* **Sept 2018 - May 2020**
VIT University, Vellore, Bachelor of Technology - Computer Science and Engineering, *CGPA: 8.46/10* **July 2013 - May 2017**

EXPERIENCE

Amazon.com, Inc, *Software Development Engineer Intern*, *Amazon Web Services (AWS DynamoDB)* **June 2019 - Aug 2019**
• Developed dynamic policies for DynamoDB in Java to scale splitting of partitions and allocate sufficient partitions to user tables in DynamoDB.
• Developed a Unix tool to render these policies with a 3-level fallback mechanism to handle provisioned throughput requirements in DynamoDB.
• Ensured maintenance of SDLC with prior planned design processes, continuing with appropriate development in *Java* and unit testing using *JUnit* and *Mockito* and finally following timely and smooth production deployment and global release.

Nokia Networks, *Solution Engineer GET*, *NOKIA Software NetAct* **July 2017 - July 2018**
• Worked on the development of Nokia's Virtualized Network Management System - *NetAct's* Fault and Performance Management pipeline using Java, Python, XML, Shell Scripting while working in an agile development environment.
• Worked as a SharePoint developer for developing web-based business applications for Services BU.
• Visualized data, automated refreshing of reports and created real-time dashboards using Rest API based on reports in Microsoft Power BI.

Nokia Networks, *Technical Intern* **Jan 2017 - June 2017**
• Developed and implemented an algorithm to detect Black hole/ Gray hole attack in a Mobile Ad-hoc Network (MANET).

IBM, *Software Developer Intern, Worklight Team* **June 2015 - July 2015**
• Worked on developing a new Road User Charging (RUC) system to be deployed for the Government of Norway.
• Developed a self-service interface to be provided to the end-users (citizens), accessible via a standard browser or Mobile App, to help automate toll collection and number plate recognition. [*HTML, CSS, JavaScript*, *Android SDK, IBM Worklight Plugin.*]

New York University, *Graduate Teaching Assistant - Cloud Computing* **Sept 2019 - Present**
• Gave lectures and demos to students on various course modules such as Kafka, ElasticSearch and various AWS Services.
• Graded all the material associated with the class.

SKILLS

Languages: Python, SQL, Java, C, C++, HTML, CSS, JavaScript, React.js, Node.js, D3.js, PHP
Tools/Environments/Platforms: AWS Suite, Shell Scripting, Hadoop, Tableau, Spark, Git, Jira, Kubernetes, Docker, Photoshop

PROJECTS

Foot365 – a football-dining concierge chatbot **Spring 2019**
• Developed a serverless app which gives recommendations of bars and restaurant showing live matches, live scores, predictions for the final week of the season, fixtures, lineups, standings by integrating cloud-based services for the football community. *[AWS S3, Kafka, DynamoDB, Elastic Search, Sagemaker, Lambda, API Gateway, SQS, SNS, Cognito, Lex, Google Maps API, Yelp API, Uber API]*

PredictorFinc – PySpark based Stock Predictor **Fall 2018**
• Developed a scalable application to predict change in stock price of S&P Companies based on company's previous 5 years' stock price.
[AlphaVantage API, PySpark, MLib, Matplotlib, Big Data Analytics, NYU Clusters, React]

Twitter Sentiment Analysis **Fall 2018**
• Developed an application which performs 3-class classification of tweet sentiment in Twitter and checks whether expressed opinion on Twitter is positive, negative or neutral. *[Python, Tweepy, TextBlob, Natural Language Toolkit corpora]*

Statistical Analysis of financial transaction between countries **Spring 2019**
• Developed an app to analyze clusters of countries that are tightly related in terms of donations, the amount they receive and donate to other countries and how purposes of disbursements distribute geographically in terms of countries that receive donations. [Tableau, d3.js]

IoT-based Smart Vehicle Safety System *(Publication: International Journal of Pharmacy & Technology)* **Spring 2017**
• Designed and built a prototype that deals with problems which cause accidents and ensures safety and security of the person present in the vehicle through various automated mechanisms. *[Arduino Uno, Embedded C, Internet of Things, Ionic SDK, JavaScript]*

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

• 5th Pillar VIT Student Chapter, ***Design Head (Board Member)*** **Feb 2014 - May 2016**
• INVICTUS'15 (An International Management & Business Summit), ***Sponsorship Coordinator*** **Dec 2014 - March 2015**
• GraVITas'15 (VIT University's Technical Fest), ***Committee Coordinator*** **September 2015**