Akash Kumar

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Work Experience

CoEnterprise: Senior Technical Solutions Consultant (On contract Top 10 Financial Firms)   **6/18-Current**

> Unlocked key insights from data lakes, wrote batch and streaming pipelines using SQL, Python, Hadoop, Java, Javascript, Unix.

> Collaborated with business stakeholders to translate technical concepts into business solutions on cloud deployments.

> Developed agile work flows to deliver complex technical changes and eliminate technical debt under budget with automation.

> Designed and implemented custom dynamic data pipelines using Postgres, Node JS, Spark, Docker, and Airflow.

Intigo3D: Full Stack Engineer   **7/17-5/18**

> Created an encrypted print pipeline using embedded hardware, Linux, Python, AWS IoT, MongoDB.

> Developed a web service for designers that allowed them to sell their work and fight piracy using React and Node.

> Consulted on marketing and strategy, building media kits for investors to raise funding.

NYU, MakerSpace: Technical Lead   **2016-2017**

> Created the initial software infrastructure using Node, Flask and Python paired with the machines in the space.

> Built our hardware and monitoring resources to help students utilize the space and tailor it to their needs.

> Coordinated larger projects with other staff and taught technical skills in weekly workshops to NYU students.

Grafiti: Data Visualization Intern   **Fall '17**

> Designed interactive visualizations using 6 million lines of data to demonstrate the Grafiti system.

> Used Kaggle for initial data, Python (pandas) for filtering, Google Big Data and Cloud for visualization and analysis.

Mango Concept [Full-service digital agency]: Rapid Development Intern   **Summer '16**

> Rebuilt video system using web technologies and bootstrapping existing solutions. Decreased load times by 300%.

> Started an advertising platform for one of Mango's brands, increasing product awareness by 75%.

NYU, Engineering and Technology Forum: Prototyping Focused Teaching Assistant   **2015 - 2016**

> Taught a weekly class for all first-year engineering students about entrepreneurship.

> Developed and graded weekly projects based on the lean startup methodology.

Skills & Projects

Projects

NYC Mesh: Built and deployed a dockerized monitoring system and dashboards for the distributed network using open source tools and REST APIs.

Image ML: Used Tensorflow, pySpark, pyTorch, Airflow, GCP in pursuit of creating cross platform computational photography.

Google + ADA: Worked with a team of designers to make tools to help people with disabilities learn morse code and communicate with the world.

Rocket Telemetry: Used Python and sensors (accelerometers, GPS, cameras) to track a rocket with triple redundancy.

Relevant Software

Airflow
AWS/GCP
C[++]
Docker
Java
Javascript + [React]
Python + [Pandas]
SQL + [PostgreSQL]
Tableau
Unix/Linux

Education

New York University | School of Engineering   **2018**

B.S. Integrated Digital Media

A degree that combines computer science with design to create compelling digital products.