Keval Khara

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TECHNICAL SKILLS

- **Languages**: Python, SQL, Scala, Go, Javascript, Java, Bash, C#, C++, HTML5, PHP, CSS3
- **Platforms**: Amazon Web Services, Spark, Hadoop, Hive, Tableau, Power BI, Flask, MySQL, TensorFlow, PyTorch, Scikit-learn, PostgreSQL, Docker, Django, Kubernetes, Jira, Jenkins

EXPERIENCE

Software Engineer - Product Management, **Aberdeen Group**, Wilton, CT   **Feb'19 - Present**
- **Liaising** with clients on pre-sales and post-sales meetings to propose customized business solutions by discovering opportunities with **big data insights** and **presenting analyses** to Senior Executives
- **Leading** the development and data operations of Aberdeen OnDemand **SaaS platform** that processes over **5 TB** of data to provide intent-driven marketing and sales leads to **200+ clients**, generating up to **40x ROI**
- **Ownership** and **management** of the **Intent Analytics Engine**, which is the backbone of all products and responsible for generating client deliverables
- **Increased the resolution** of ISP devices up to **80%**, by designing and developing a **Device Identity Graph** that became our **best selling point** during the COVID-19 pandemic
- **Uncovered promising leads** for sales and marketing by **innovating** a **Lookalike Model** employing **NLP** for topic modeling, and AWS EMR, Athena, Lambda, API Gateway and S3 for the **ETL** pipeline
- **Improved accuracy** across all our products and helped save on **processing and storage costs** by **21%** by designing and developing a **Neural Network** model for **big data fraud detection**
- Overhauled the **client on-boarding** and management process by architecting and developing a **Client Management system**, using AWS EC2 for hosting a Flask app, API Gateway and Lambda for functionality, RDS and S3 for storage

Software Engineering Intern, **Viasat Inc.,** Seattle, WA   **June'18 - Aug'18**
- Streamlined the development and deployment of 12-factor apps at Viasat by building a next-generation orchestration platform that requires minimal operational overload
- Developed the **REST API** and **CLI** for the platform. Modeled the **PostgreSQL** database and used Object-Relational Mapping for **Golang** to reduce development time and achieve a richer query capability

Data Science Engineer, **BU Spark**, Boston, MA   **Jan'18 - May'18**
- **Increased the revenue** by **28%** by developing a **Recommender System** for a Social Interior Design Company called Printz, and revamped their E-commerce platform for better customer retention
- **Led an investigation** into the distribution of government contracts among the minority-owned businesses in Massachusetts, collaborating with WGBH. **Modeled** the **ETL pipeline** and used **clustering** techniques in the process

EDUCATION

Master of Science, Computer Engineering   **Sept'17 - Jan'19**
Boston University, Boston, USA   **GPA**: 3.71/4.0
- **Coursework**: Data Science, Machine Learning, Algorithms, Advanced Data Structures, Cloud Computing, Artificial Intelligence, Software Architecture, Product Development, Enterprise Client-Server Software

PROJECTS

NextGen Customer Experience   **July'18**
- **Increased customer engagement** by **40%** by prioritizing and categorizing customer reviews in real-time, powered by a web application using Django and PostgreSQL, and leveraging Doc2Vec algorithm and an SVM classifier

Network Visualization for Big Data   **Feb'18**
- Built a web application using JavaScript, HTML5 and CSS for better **visualizing, managing and analyzing** a complex supply chain network with thousands of nodes. Won **2nd Place at MIT Hackathon** 2018

INTERESTS

Pro Bono Consulting, Mentoring, Investing, Macroeconomics, Trading, FC Barcelona (Soccer), Reading, Traveling