EMAD SIDDIQ

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EDUCATION

University of California, Berkeley August 2017 - May 2021, Berkeley, CA
Bachelor of Arts in Data Science and Political Economy GPA: 3.24

EXPERIENCE

Software Engineer New York, NY
Fin3 Technologies Inc. January 2022 - Present

- Designed and deployed a program with minikube and Docker to create tokenized deposits on the Stellar network
- Designed smart contracts for deployment on Provenance, a proprietary proof-of-stake blockchain
- Created a containerized application in Java Spring Boot to interact with a core banking API
- Programmed an auto email reporting system for Bitcoin hashrate monitoring application with Python & Docker

Undergraduate Research Berkeley, CA
UC Berkeley Law School May 2020 – August 2020

- Conducted research for Professor Sonya Katyal's Trademark & Branding Project as the team's lead data scientist
- Parallelized data extraction from remote XML files, with limited cloud storage (5 GB), for over 100GB of data
- Designed a fast matching algorithm for relevant companies from a list provided by Haas School of Business

PROJECTS

Good News

- Tackled the flood of negative news following the pandemic, by gathering good news from 50+ news sources
- Applied Sentiment Analysis using Python & NLTK, to rank the positive of news articles from NewsAPI

Tech-Khwani

- Leveraged Google Colab's free resources to teach CS fundamentals with no prerequisites to Pakistani students
- Tutorials included: training a neural network to predict housing prices in Islamabad

Data Mining

- Mined 10 years archives for Pakistan's leading newspaper Dawn.com, using BeautifulSoup on a remote server

Frameworks: Springboot, Helm, Kubernetees, Docker, Minikube, Stellar Blockchain, React, Scikit-Learn, TensorFlow, NLTK, PyTorch, networkX, NumPy, Tendermint, Cosmos SDK, AWS, PostgreSQL, Apache Camel, Ethereum, Next.JS, Pandas, TensorFlow, Flask, PostgreSQL

Languages: C, Java, R, Python, SQL, Julia, C++, C#, Scheme, HTML, CSS, Javascript, PHP, Ruby, Objective-C