ABHISHEK KOTTAMASU

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EDUCATION

UNIVERSITY OF MICHIGAN   Ann Arbor, MI
College of Engineering
Bachelor of Science in Engineering, Computer Science & Data Science, May 2021
- Cumulative GPA: 3.5/4.0
- Case Competitions: 1st Place Bain & Company Employer Challenge, 2nd Place KPMG
- Teacher's Assistant, Discrete Mathematics (EECS 203)
- Recipient, Class of 1935 Scholarship Fund and Programs in Engineering Scholarship
- SAT: 2340/2400; SAT Math: 800/800
- Proficient in C++, Python, Java, SQL, HTML, CSS, JavaScript, R and MATLAB

EXPERIENCE
Summer 2019

KALIBRR   Manila, Philippines
Machine Learning Intern
- Implemented a supervised learning model to predict outcomes for job-posts searching for suitable candidates using features such as perks, salary and education requirements
- Devised unique feature engineering algorithms to process queried data and explored various ML algorithms; discovered Random Forest to be the optimal algorithm
- Tuned various hyper-parameters to improve performance to 78% accuracy and attained a ROC-AUC score of 0.84, a relative 6% increase in performance from baseline

2019 - Present

NEXECON CONSULTING GROUP   Ann Arbor, MI
Business Analyst
- Investigated non-traditional business metrics for $5B+ Fortune 1000 automobile manufacturer to identify unexplored distributing channels in the LatAm market
- Developed Excel evaluation model for $10B+ Fortune 1000 pizza-chain utilizing quantitative time and efficiency key-point indicators to more accurately validate in-store operations and identify high-potential innovation strategies
- Analyzed firm-specific 'time-motion' data to revise existing innovation strategies, estimating reductions in process times and forecasting operating cost reductions

Summer 2018

ERNST AND YOUNG   Manila, Philippines
Software Engineering Intern
- Decreased latency of data-intensive modelling by 10x by leveraging Cloud Computing Technologies using Amazon Web Services and Command Line Programming
- Developed a housing loan eligibility application for the Bank of Philippine Islands by employing Android Studio and Java, increasing customer retention by 14%

2017 - Present

APIARY SOLUTIONS   Ann Arbor, MI
Founder | Chief Technology Officer
- Founded a College Consulting company that helped international high-school students navigate the college admissions process by deploying an academic social-network which yielded more than 20 clients and 35 university ambassadors
- Built the Apiary Network, consisting of profiles, chat-services, databases, forums and newsfeeds using a MongoDB database, Handlebars Templating and numerous API's

PROJECTS
- Created TemPace, a web app that analyzed iOS health data and scraped online BPM-based song databases to generate smart playlists based on personalized exercise habits
- Modelled a Piazza Post classifier to categorize forum posts by training the 'Multi-Variate Bernoulli Classifier' using Natural Language Processing and binary search trees
- Developed an optimal TSP tour generator using a branch and bound algorithm by deploying Prim's minimal spanning tree algorithm

ADDITIONAL
- Passionate about traveling to all seven continents, have lived in three so far
- Voted 'Most Likely the Next Steve Jobs' in 5th grade leading to a turtleneck photoshoot
- Avid Manchester United Football Club Fan, Poker Player and Tennis Enthusiast
- Debate aficionado, placed 3rd in the World Debate Championships on Team Philippines