Shayaan Jagtap

shayaan.jagtap@gmail.com | 512.586.4684

EDUCATION

THE UNIVERSITY OF TEXAS AT AUSTIN
BBA, Science and Technology Management
Minor, Computer Science
Class of 2018
McCombs School of Business

LINKS

Personal Website:
www.shayaanjagtap.io
LinkedIn:
www.linkedin.com/in/shayaanjagtap
Github:
github.com/shayaanjagtap
Medium:
medium.com/@shayaan.jagtap

COURSEWORK

Data Structures & Algorithms
Software Development
Relational Databases
Data Science
Probability & Statistics
Machine Learning

SKILLS

PROGRAMMING
Proficient:
Python

Competent:
Java • SQL

ML/DS:
Scikit-Learn • Pandas • Keras
Spark • NLP • Feature Engineering
Supervised/Unsupervised ML Techniques

TECHNOLOGIES
Data:
PostgreSQL • MySQL • S3
Cassandra • Elasticsearch

DevOps:
Docker • Kubernetes • Jenkins

Management & SDLC:
Agile • Kanban • Scrum • JIRA

Miscellaneous:
AWS • Flask • unittest • Git • Bash

EXPERIENCE

CISION (TRENDKITE) | Software Developer & Data Scientist
Feb 2017 - Present | Austin, TX
- Co-developed scalable supervised learning services for extracting the publish date and author of 1,000's of news articles an hour
- Built an unsupervised learning service to cluster and extract thematic insights from a corpus of articles
- Created a hierarchical text-topic classification service of article content using GloVe/Seq2Seq/ELMo/BERT NLP models
- Designed and implemented numerous scalable Flask micro-services with API design, unit testing, and logging

ASTROTECH CORPORATION | Intern
Jan 2016 - Apr 2016 | Austin, TX
- Executed a comprehensive technical analysis of competitor's image processing software to identify new business opportunities
- Created a business plan & go-to-market strategy for launching the company's technology into the ride-sharing industry

COGNITIVE SCALE | Intern
May 2015 - Dec 2015 | Austin, TX
- Planned and produced a competitive analysis research profile of relevant industries and their key players
- Worked closely with developers to effectively communicate AI product offerings to industry professionals in Healthcare, Commerce, and Supply Chain

JIXXU | Co-Founder
Jun 2013 - Jul 2015 | Austin, TX
- Founded Jixxu, a platform dedicated to helping students find their passions by matching them to extracurricular activities
- Conducted market data research and analysis, wrote a comprehensive product plan, and created a project timeline
- Designed and built website with a development team, utilizing PHP/HTML/CSS
- Entered partnership with another company, and raised $40,000 in Angel Funding

PROJECTS

LEAGUE OF LEGENDS VICTORY PREDICTIONS
Predicting winning team based on ongoing in-game data
- Scraped, examined, and imputed data from hundreds of matches
- Built a feature extraction pipeline in Scikit-Learn to calculate player, team, and meta-game statistics throughout the match
- Performed cross-validation and hyperparameter tuning to optimize various models - random forest, XGBoost, SVM, logistic regression
- Implemented stacking and ensemble learning methods to outperform single-classifiers and boost prediction accuracy from 54% to 76%

CRYPTOCURRENCY HIGH FREQUENCY TRADING BOT
Predicting Bitcoin prices using deep learning
- Performed data pre-processing and predictions using an LSTM (built in Keras) trained on historical Bitcoin pricing data
- Built an exchange interface to make trade decisions based on predictions