DEVANGI CHINCHANKAR

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EDUCATION

Master of Science, Computer Science **Aug 2020 – Dec 2021**

San Jose State University, *College of Science* **CGPA: 4.0/4.0**

Internships: *Incoming SDE Intern, Summer 2021 at Amazon, Seattle*

Bachelor of Engineering, Computer Engineering **Aug 2014 – May 2018**

University of Pune, *Cummins College of Engineering for Women* **CGPA: 3.86/4.0**

Relevant Coursework: Business Analytics, Cloud Computing, Computer Vision, Cryptography and Security, Database Management, Design and Analysis of Algorithms, High Performance Computing, Information Retrieval, Machine Learning, Natural Language Processing

Master's Project: *Scene Classification using Eye Tracker Data (Computer Vision, Advisor: Dr. Nada Attar)*

SKILLS

Programming: Python, C/C++, Java, PHP, R
Web Development: CSS, Bootstrap, JavaScript, NodeJS, ExpressJS
Databases: MySQL, MongoDB, Elasticsearch, HBase
Tools: Jupyter Notebook, Git, JIRA, Kanban, Android Studio, Heroku, Docker

EXPERIENCE

Software Development Engineer | Citibank, India **2018 – 2019**

Options Market Making:

- Collaborated with a global team to develop a legacy high-frequency low-latency Options Trading Platform | C++
- Successfully delivered an open communication channel between Citi & 8 Options Exchanges in the North America Region

Application Monitoring Dashboard:

- Conceptualized and delivered a real-time application monitoring platform with solid data resiliency, that sent out alerts on anomalies, failures & daily performance analysis reports to key stakeholders
- Boosted team efficiency by replacing manual logfile analysis with this user-oriented dashboard | ELK Stack

Stretch Assignment:

- Designed & developed an Order Lifecycle Tracking project using Agile Process Model with a team of 10 graduate campus hires
- Analysed end-to-end process flows to identify points of failure and fix latency bottlenecks | Python, Kafka, Spark

Data Analysis Intern | Cummins, India **2017**

- Conducted regression analysis for devising energy-saving solutions in an intricate manufacturing environment | R
- Prepared and enriched data for analysis by performing cleaning, integration & normalization | Python
- Studied cost trends by executing complex SQL queries and leveraging data visualization techniques

PROJECTS

Malware Classification *(Cybersecurity | Python, TensorFlow, LSTM)* **Dec 2020 – Jan 2021**

- Performed a grid-search across numerous Machine Learning algorithms (HMM, SVM, KNN, CNN, LSTM) and data features to identify LSTM as the winner model in correctly classifying 20 malware types with an accuracy of 98.6%

Rating Prediction from Reviews *(Sentiment Analysis | Python, TensorFlow, Scikitlearn)* **Oct 2020 – Nov 2020**

- Explored the algorithms of SVM, RF and LSTM, and word embedding methods of BoW and Word2Vec to predict ratings on a scale of 1 to 5 from TripAdvisor hotel reviews

Order Matching System *(Full-stack development | SQL, Java, Bootstrap, JavaScript)* **Jul 2018 – Aug 2018**

- Developed a real-time Order Matching system for determining successful trades between buy side & sell side
- Effectively simulated the process of an actual exchange by ensuring fast repones times, priority handling & data privacy

SEMINARS AND PUBLICATIONS

"*Survey of Different Approaches used for Food Recognition,*" Lecture Notes in Networks and Systems, vol 40. Springer, Singapore (Proceedings of Third International Conference on ICTCS 2017) **2018**

"*Chatbots using Generative Methods - LSTMs,*" Cummins College of Engineering for Women, Pune **2017**

LEADERSHIP

- **Graduate Teaching Assistant,** Machine Learning, SJSU **Present**
- **Tutor,** Computer Science Study Lab, SJSU **Present**