DEVANGI CHINCHANKAR

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TECHNICAL SKILLS

Programming: Python, Java, C/C++, R, MATLAB
Databases: MySQL, MongoDB, Elasticsearch, HBase
Platforms: Linux, Windows
Web/Mobile Development: CSS, Bootstrap, Javascript, NodeJS, ExpressJS
Tools: Atom, IntelliJ IDEA, Jupyter Notebook, Kibana, Git
Frameworks/Libraries: Tensorflow, PyTorch, OpenCV, NLTK

EDUCATION

Master of Science, Computer Science **2020 – Present**
San Jose State University, *College of Science* **CGPA: N/A**
Coursework: Advanced Programming Language Principles, Artificial Intelligence, Computer Vision, Cryptography and Computer Security, Design and Analysis of Algorithms, Graph Theory, Machine Learning, Parallel Computing

Bachelor of Engineering, Computer Engineering **2014 - 2018**
University of Pune, *Cummins College of Engineering for Women* **CGPA: 3.86/4**
Coursework: Cloud Computing, Data Mining, Data Structures, Database Management Systems, Design and Analysis of Algorithms, High-Performance Computing, Natural Language Processing, Object-Oriented Programming, Operating Systems

EXPERIENCE

Technical Analyst | Citigroup, India **2018 – 2019**

- Conceptualized and delivered a real-time application monitoring platform, within a strict deadline of 3 months, that sent out alerts on anomalies, failures, and daily performance analysis reports, tailored for both developers and traders | ELK
- Boosted team efficiency by replacing the cumbersome manual logfile analysis method with a user-oriented dashboard
- Worked on a legacy C++ application for the Options Trading platform to handle the high-frequency low-latency communication channel between Citibank and 8 options exchanges in the North America region
- Spearheaded the design and development of an Order Lifecycle Tracking project, for the Equites vertical, using an Agile Process Model with a team of 10 other graduate hires | Python, Kafka, Spark, Hadoop, HBase

Software Engineering Intern | Cummins, India **2017**

- Remodeled a Generator-Set parameter handling interface, tied to a relational database of over 50 GB, by extending existing functionality and by revamping the user interface | MySQL, MS Access, Visual Basic
- Prepared data for analysis by performing cleaning, integration, and normalization | Weka, R
- Employed multiple regression analysis in R for estimating energy costs and using it for devising energy-saving solutions

PROJECTS

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

- Developed a real-time Stock Order Matching system for determining successful trades which effectively simulates the process of that on an actual exchange by incorporating complex matching logic

Food Image Recognition using Deep Learning *(Computer Vision | Python, OpenCV, Tensorflow, Android)* **Jul 2017 – May 2018**

- Selected amongst 180 students for the faculty research project on Indian Food Recognition
- Identified Deep Convolutional Neural Networks as a means of getting maximum accuracy in recognizing food items from images after extensive scrutiny of different methods; achieved an accuracy of 98.4%

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**

ADHOC COURSES

Complete Web Development Bootcamp, Udemy **May 2019 – Aug 2019**
Machine Learning, Stanford University **Jan 2017 – Mar 2017**
ELK Stack, Udemy **Aug 2018 – Sept 2018**
Android App Development, Google **Dec 2014 – Jan 2015**

EXTRACURRICULAR

- Animal Rescue Volunteer at ResQ, an Animal Welfare Organization **2015 – Present**
- Tuition sponsor of one underprivileged secondary school student every year **2016 – Present**