DEVANGI CHINCHANKAR

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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 Science   **2014 - 2018**
University of Pune, Cummins College of Engineering for Women   **CGPA: 3.86/4**

Coursework: Data Mining, Data Structures, Database Management Systems, Design and Analysis of Algorithms, High-Performance Computing, Natural Language Processing, Object-Oriented Programming, Operating Systems, Theory of Computation

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EXPERIENCE

Assistant Manager | Citibank Technology Centre, Pune   **Jul '18 – Dec '19**
- Developed a one-stop application monitoring platform that sent out alerts on anomalies, failures and daily performance analysis reports tailored for both developers and traders | Elasticsearch, Logstash, Kibana, Python
- 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 NA region | Extensive use of C++ template libraries, advanced concurrent programming and exchange protocols (FIX and Binary)
- Led a team of 10 new graduates in the design and development of an Order Lifecycle Tracking project for the Equities vertical | Kafka, Pyspark, HBase

Software Development Intern | Cummins India Ltd., Pune   **May '17 – Jul '17**
- Responsible for the improvisation of a Generator-Set (Genset) parameter handling interface 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 | SQL, Weka, R
- Employed multiple regression analysis in R for estimating energy costs and using it for devising energy-saving solutions

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TECHNICAL SKILLS

Programming: Python, Java, C++, R, MATLAB   **Web/Mobile Development:** HTML5, CSS, Bootstrap, JavaScript, NodeJS, ExpressJS
Databases: MySQL, MongoDB, HBase   **Tools:** Atom, IntelliJ IDEA, Jupyter Notebook, Weka, Android Studio, Kibana, Git
Platforms: Linux, Windows   **Frameworks/Libraries:** Tensorflow, PyTorch, OpenCV, NLTK

ADHOC COURSES

Complete Web Development Bootcamp, Udemy   **May '19 – Aug '19**   *ELK Stack,* Udemy   **Aug '18 – Sept '18**
Machine Learning (Stanford University), Coursera **Jan '17 – March '17**   *Android App Development,* Google   **Dec '14 – Jan '15**

PROJECTS

Order Matching System, Citi *(Full-stack development | SQL, Java, Bootstrap, Javascript)*   **July '18 – Aug '18**
- 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 Recognition using Deep Learning *(Computer Vision | Python, OpenCV, Tensorflow, Android)*   **July '17 – May '18**
- Selected amongst 180 students for the faculty research project on Indian Food Recognition
- Identified Deep Convolutional Neural Networks as 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**

"*Curious Chatbots with Voice Interface and Facial Expressions,*" Cummins College of Engineering for Women, Pune   **2017**

EXTRACURRICULAR

- Animal Rescue Volunteer at ResQ, an Animal Welfare Organization   **2015 - Present**
- Sponsorer of education for one underprivileged school student per year   **2016 - Present**