RAVINA GELDA

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EDUCATION

University of California, Santa Cruz, CA
Jack Baskin School of Engineering **GPA:** 3.38/4 *Sept 2019 – April. 2021 (Expected)*
Candidate for a Master of Science in Computer Science
Related Courses: Analysis of Algorithms, Machine Learning, Advanced Parallel processing, Artificial Intelligence, Programming Languages, Database System Design, Distributed Systems

Indian Institute of Technology, Madras, India
Electrical Engineering Department **GPA**: 8.36/10 Aug 2014 - *Aug 2017*
*Masters of Electrical Engineering (*Time Series Analysis)
Related Courses: Introduction to Machine Learning, Probability and Statistics, Communication Networks, Digital Signal Processing, Applied Linear Algebra.

SGGS Institute of Engineering & Technology, Nanded, India
Electronics & Telecommunication Department **GPA**: 9.55/10. Aug 2009 - *Aug 2013*
Bachelors of Technology (Electronics & Telecommunication Engineering)
Related Courses: Introduction to Computer Programming, Data Structure & Computer Algorithms, Data Communication & Networking, Digital Image Processing.

TECHNICAL KNOWLEDGE

Languages:	Python, GO, C, HTML, CSS, Javascript, MATLAB, R
Database:	Cassandra, MySQL, Postgres
Framework/Libraries:	Django,React-Native, SciPy, PySpark,Opencv, Tensorflow
Others	AWS, GCP, Kafka, PyCharm, VC++, Jenkins, Pytorch, Data visualization, Docker

WORK EXPERIENCE

***Movley**, Chicago, USA — Software Developer Intern* *June 2020 – Sep 2020*

- Cassandra **data modelling** and Backend system design
- Built **REST APIs** for Booking and Billing portal, and integrated stripe payment API in **Python- Django.**
- Created topics in **kafka**, for triggering events between two applications.
- Implemented UI for the billing portal in **React native web.**
- Implemented **Integration test** cases in **Katalon Studio** with **groovy.**
- Deployed Cassandra, Python-Django Backed on **GCP**.

***MediaTek**, Hsinchu, Taiwan — Software Engineer* *Aug. 2017 – Sep. 2019*

- Developed new features for customer requirements, analyzed multithreaded software and solved performance and functional issues, tested features and fixed bugs in modem software in C.
- Achieved 40% savings in manpower for automated log analysis by designing and developing scripts in python.
- Achieved 20% power savings of the device by designing adaptive power limiting features in C.
- Used Jenkins pipeline for building, testing and deploying code..

***OLACabs**, Bengaluru — Data Science Intern* *Mar. 2016 – May. 2016*

- Converted raw GPS data into taxi supply time series using **SQL queries**.
- Analyzed supply **time series** to identify underlying trend and seasonality with **data visualization** in matplotlib.
- Developed algorithm used by OLA to mitigate supply-demand imbalance

ACADEMIC PROJECTS & PUBLICATIONS

- Implemented SQL parser in Golang
- **Deepfake detection**: Detection of fake media in Python.(Summary youtube link)
- Created a blogging application using Python-Django with Postgres backend and HTML,CSS and JQuery in frontend.
- Developed software to identify plagiarism using document distance measure.
- IEEE International conference publications as first author. (link1, link2)

INTERESTS/ACTIVITIES

- **Teaching assistant** for Programming Abstractions in python, Data programming and visualization.
- Member of Google Developer Students Club (DSC) at UC Santa Cruz.
- V-Award at MediaTek, for contribution to excellence of team in automation of issue analysis.
- 2nd Prize in Pratibha awards (the EATON excellence award for the aspiring woman engineers).