

Prajna Prabhakara

pprabhakara@horizon.csueastbay.edu | (510)-462-0151 | <https://prajcodes.github.io/>

WORK EXPERIENCE

Software Engineer Intern, ATUM (DNA 2.0), Newark, CA *Aug. 2018 - Present*

- Implemented tools to view the effect of change in optimization functions while running genetic algorithms
- Built new functionalities for data retrieval using SQL, Java & Python, facilitating sales and processing orders

Web Developer, California State University East Bay (CSUEB), Hayward, CA *May 2018 - Aug. 2018*

- Improved student government's event marketing and billing data analysis and inference using MS Excel

Software Developer Intern, MDout, Inc., Livermore, CA, USA *June 2018 - Aug. 2018*

- Designed a web and mobile visualization platform on AWS for healthcare professionals to process patient data
- Experienced in parsing and transforming data in JSON, XML, CSV to be consistent with analytical needs

Software Engineer, Tata Consultancy Services, Bangalore, India *July 2013 - Oct. 2015*

Project: Application development for a trading platform of a German global bank and financial services company

- Developed modules of the enterprise application which help bank employees to process financial transactions and trading agreements between customers using HTML, CSS, Hibernate and other J2EE technologies
- Optimized queries and tuned operations of database using PL/SQL increasing efficiency by five percent
- Analysed click and log data of customer behaviour to extract useful business insights from promotional emails
- Enhanced performance and speed by automating several server side administrative tasks using shell scripts

EDUCATION

M.S., Computer Science, 3.75/4, CSU East Bay, Hayward, CA *Expected - May 2019*

Relevant coursework: Cyber Security / Distributed Systems / Advanced Web Development / Statistical Learning

B.E., Information Science, 8.44/10, JSS Science & Technology University, Mysore, India *June 2013*

Relevant coursework: Database Management Systems / Design & Analysis of Algorithms / Software Engineering

Object Oriented Programming / Computer Networks / Data Structures / Data Mining / Management Info. Systems

Certifications: Machine Learning Specialization by University of Washington on Coursera *Dec. 2016*

Deep Learning Specialization by Deeplearning.ai on Coursera *Feb. 2019*

TECHNICAL SKILLS

Languages: Java, Python, C++, JavaScript, SQL

Tools/Frameworks/Platforms: AWS, SVN, Git, Keras, Numpy, Scipy, Tensorflow, Unix, MS Excel

ACADEMIC PROJECTS

Palm Plantation Detection: Women in Data Science contest to identify plantation in satellite images *Present*

Applying transfer learning to modify and utilize PyTorch pretrained models using Python, Pandas, Numpy.

Neural Network Image Classifier: Course project to classify kaggle image dataset of dogs and cats *Dec. 2017*

Designed a deep convolutional neural network using Tensorflow improving accuracy using data augmentation

Bus Tracking Application for Android Devices *June 2013*

Developed a GPS based android application for tracking real time location of buses using Java, XML and

MySQL. App was appreciated by city govt. and released for public use. Selected as "Best Senior Year Project"

WORKSHOPS

AI Bootcamp for Machine Learning Engineers, Deeplearning.ai, Palo Alto, CA *Aug 2018*

Hands-on experience designing, developing and deploying an efficient AI solution on cloud for industrial apps

Summer School, Dept. of Computer Science, Indian Institute of Science, Bangalore, India *June 2012*

Implemented machine learning and natural language processing algorithms for a language translation tool

STUDENT ACTIVITIES

Vice Chair, Association of Computing Machinery-Women at CSUEB, Member IEEE-CSUEB *Present*

Top 15th hacker among students across California and Arizona in Cyber Fire-Hackathon by LLNL *Sep. 2018*