

Prajna Prabhakara

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EDUCATION

M.S., Computer Science, 3.79/4, CSU East Bay, Hayward, CA *Expected - May 2019*
Relevant coursework: Adv. Software Engg. / Distributed Systems / Cyber Security / Computational Complexity
B.E., Information Science, 8.44/10, JSS Science & Technology University, Mysore, India *June 2013*
Relevant coursework: Database Management Systems / Design & Analysis of Algorithms / Object Oriented Programming / Computer Networks / Data Structures / Data Mining / Management Info. Systems
Certifications: Machine Learning Specialization by University of Washington on Coursera *Dec. 2016*

WORK EXPERIENCE

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

- Built new functionalities to facilitate sales using Java, JPA and SQL decreasing order processing time by 5%
- Implemented tools to view the effect of change in optimization functions while running genetic algorithms

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

- Improved the school's event management and student government application using Javascript and 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
- Enabled users to create custom forms and a graphical interactive interface for analysing patient symptoms

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 helps bank employees to process financial transactions and trading agreements between customers using Java and J2EE technologies
- Implemented queries and tuned operations of database using Oracle PL/SQL increasing time efficiency
- Found and resolved errors by performing functional, system integration, and performance testing
- Enhanced overall performance by writing automation scripts and analysed data to optimize business outcomes.

ACADEMIC PROJECTS

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
EGadget Store: Java based e-commerce web application which follows MVC architecture *Nov. 2017*
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"
University Data Warehouse *Dec. 2011*
Designed a database management system using VB.NET and Microsoft Access for creation and retrieval of student course information. Project was widely used and appreciated by university faculty

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

TECHNICAL SKILLS

Languages: Java, Python, C++, HTML5, CSS, SQL, JavaScript, Shell scripting.
Frameworks: Unix/Linux Platform, Splunk, AWS, Git, AngularJS, SVN, JUnit5

STUDENT ACTIVITIES

Vice Chair, Association of Computing Machinery-Women at CSUEB *Present*
Top 15th hacker among students across California and Arizona in Cyber Fire-Hackathon by LLNL *Sep. 2018*