Prajna Prabhakara

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EDUCATION

M.S., Computer Science, 3.79/4, CSU East Bay, Hayward, CA   *Expected - May 2019*
Relevant coursework: Statistical Learning & Data Analysis / Distributed Systems / Advanced Web Development / Computational Complexity / Compiler Design / Operating Systems Design
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 Foundations by University of Washington & Coursera   *Dec. 2016*

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 and trained it on a highly diverse dataset of 20,000 labelled images. Also, improved the test accuracy using data augmentation techniques.
EGadget Store: Java based e-commerce web application which follows MVC architecture   *Nov. 2017*
  Designed and developed a robust web application with session tracking using Java Servlets, JSP and SQLite.
Bus Tracking Application for Android Devices   *June 2013*
  Within a team of 3 classmates, developed a GPS based android application for tracking real time location of public transport in the city of Mysore using Java, XML and MySQL. Application was appreciated by government officials 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 and grade information. Project was widely used and appreciated by university faculty

WORK EXPERIENCE

Web Developer, California State University East Bay (CSUEB) , Hayward, CA   *May 2018 - Present*
CS Lab Student Assistant, CSUEB, Hayward, CA   *Mar. 2018 - June 2018*
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 efficiency
- Found and resolved errors by performing functional, system integration, and performance testing
Project: Automation & Data Analysis of online services of a multinational technology company
- Enhanced performance by automating several server side administrative tasks using shell scripts
- Analysed machine data and created visualizations to optimize business outcomes using different tools

INTERNSHIPS AND WORKSHOPS

Summer School, Dept. of Computer Science, Indian Institute of Science, Bangalore, India   *June 2012*
- Hands-on experience applying machine learning and natural language processing algorithms
Summer Intern, Bharat Sanchar Nigam Ltd., Mangalore, India   *July 2012*
- Gained practical insight into HTTP, TCP/IP protocols and wireless data transmission technologies
Android & Ethical Hacking Workshop, National Institute of Technology Karnataka, India   *July 2011*

TECHNICAL SKILLS

Languages: Java, Python, C, C++, JSP, HTML, CSS, JavaScript, SQL
Tools/Frameworks/Platforms: SVN, Git, Splunk, Tensorflow, Unix, MS Excel

STUDENT ACTIVITIES

  Vice Chair ACMW-CSUEB , Member Recreational Math and CS Club-CSUEB   *Present*
  Organized hackathons and technical events at Linux Campus Club and IEEE, SJCE Chapter   *2009-2013*