Meghana Moorthy Bhat

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EDUCATION

UNIVERSITY OF WISCONSIN MADISON

Maters in Computer Science
Expected May 2019 | Madison, WI
Cum. GPA: 3.5

B.ENG IN COMPUTER SCIENCE

June 2012 | Mysore, India
Conc. in Computer Science and Engineering
Sri Jayachamarajendra College of Engineering
Cum. GPA: 9.21 / 10.0

LINKS

LinkedIn:// **meghanamoorthy**
GitHub:// **meghu2791**

COURSEWORK

GRADUATE

Fall 2017:• Machine Learning models for Data Management • Data Science • Artificial Intelligence • Algorithms
Fall 2018:• Machine Learning • Data Visualization • Stochastic Programming • Big Data • Cognitive Science

OBJECTIVE

Seeking full-time opportunities for 2019 in software development and data analysis.

SKILLS

PROGRAMMING

Java • C • C++ • Python • SQL • Android
Tools and Technologies: Visual Studio • Eclipse • LaTex • MATLAB • GDB • MySQL • Git • Jira • Agile methodology

PUBLICATIONS

• Meghana Moorthy B, Melwyn Scudder, Dr Josef Eckmueller, "Performance Optimization for Virtual Platforms" in the Intel world-wide annual conference DTTC, Portland, Oregon, USA, August 2015.
• Meghana Moorthy B, Melwyn Scudder, Kartik Shah, "Virtual Prototype Quality Improvement Methodologies" in DvCon India, Bangalore, India, September 2015

EXPERIENCE

QUALCOMM RESEARCH | Applied Deep Learning Intern

June 2018 – Aug 2018 | San Diego, CA

- Languages: C++, Python
- Worked on Fixed Point math enablement in Snapdragon Neural Processor Engine used by Snapdragon powered mobile applications.
- Implemented few layer operations like ChannelShuffle, CMRN, Elementwise Operations in Deep Learning Frameworks.
- All code was reviewed, perfected, and pushed to production.

INTEL | Software Engineer I/II

April 2012 - July 2017 | Bangalore, India

- Languages: C++, Python
- Worked as lead on a project titled Virtual Prototyping (VP) Performance Optimization for detecting bottlenecks in platform design.
- First-hand support for customers (Apple, inhouse) for debugging issues at component level during bring-up.
- Automated the entire generation of projects along with testbench framework at various levels using Python.

RESEARCH AND PROJECTS

REAKTIVE LAB | Graduate Research Assistant

October 2017 – Present | Madison, WI
Working with Prof. Theodoros Rekatsinas for exploring various machine learning techniques for accurate and efficient data cleaning methods, learning Functional dependencies and constraints through datasets. Publication under submission.

ERROR DETECTION AND CORRECTION USING DEEP LEARNING Mar 2018 – May 2018 | Madison, WI

Explored deep learning models for strucutred data with respect to error detection and correction. Used LSTMs, GRU, Facebook FastText, word2vec for word embeddings. Github link Word Embeddings.

ENTITY MATCHING USING MACHINE LEARNING AND DEEP LEARNING April 2018 – May 2018 | Madison, WI

Performed entity macthing based on paper Magellan using Machine Learning techniques. Also evaluated the next paper on entity matching using Deep Learning and benchmarked the results based on performance and accuracy. Github link Entity Matching.

AWARDS

2018 top 10/260 in Qualcomm Hackathon
2016 Project Secureware secured 3/72 in Intel Innovation Group Chetana
2014 Intel Department Recognition award
2013 Intel Employee Recognition award

OTHER INTERESTS

2014 National Recepient of Sangeetha Kalamani title
2010 Winner of All India Radio Singing Competition
2001 Been performing live music concerts globally (300+ concerts)