

Prasanth Yadla

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EDUCATION

North Carolina State University, Raleigh, NC

August 2019 - Dec 2020

Master of Science in Computer Science, GPA 3.74/4.0

Relevant Coursework :- Software Engineering, Compiler Construction, Computer and Network Security, Object-Oriented Design, Data Mining (CSC 522), Algorithms for Data Guided Business Intelligence, Neural Networks and Deep Learning, Natural Language Processing.

Birla Institute of Technology and Science, Pilani, Hyderabad, India

August 2013 - June 2018

Master of Science in Physics, GPA 8.67/10.0 (Dual Degree)

Bachelor of Engineering in Computer Science, GPA 8.67/10.0 (Dual Degree)

Relevant Coursework: Data Structures and Algorithms, Design and Analysis of Algorithms, Object Oriented Programming, Operating Systems, Computer Networks.

SKILLS

Languages and Frameworks :- Java, J2EE, C, C++, Python, Javascript, Hadoop, Hive, HDFS, Tensorflow, Spark, Git, Linux, Multithreading.

RESEARCH EXPERIENCE

Student Worker, Industrial and Systems Engineering

Dec 2019 - May 2020 (6 months)

- Performed large-scale data transformation of files containing 15 Million records which is to be processed, aggregated and filtered in a matter of minutes using a 80 core linux machine.

WORK EXPERIENCE

SDE Intern, Amazon.com LLC, Irvine, CA, USA (*virtual*)

June 2020 - August 2020 (3 months)

- Developed a new feature allowing customers to discover more In-Skill Products in Headed Alexa-enabled devices like Echo Show 5 in US marketplace
- Got exposure to Alexa Orchestration workflow and multi-modal Alexa Skills development along with VUI design.

Applications Engineer, Oracle India Pvt. Ltd, Bangalore, India

July 2018 - August 2019 (1 year)

- Designed, developed and maintained high performance multithreaded APIs consumed by Oracle Sales Cloud Application UI, currently being used by approximately. 20,000 users. at Oracle
- Adapted Guava Caching Mechanism into DB read Endpoints, resulting in 100x latency improvement, thereby resolving High Severity Production Tickets from Business
- Devised Real-time usage reporting and statistics UI leveraging ElasticSearch, Logstash and Kibana (ELK) Stack
- Implemented Automation Scripts for testing UI Screens using Selenium reducing 10 hours of manual effort per week

Spring Semester Intern, Hortonworks, Bangalore, India

Jan 2018 - June 2018 (5 months)

- Developed a Distributed Data Generation Library using PySpark which generated data according to a specified configuration and probability distribution. Integrated the library into core product DataPlane Service
- Experimented and evaluated Hadoop and Spark jobs in Hortonworks Data Platform(HDP) compute clusters, gaining hands-on experience in distributed and parallel computing.

Fall Semester Intern, Amazon India Pvt. Ltd, Bangalore, India

July 2017 - Dec 2017 (5 months)

- Formulated new Automated Workflow Execution Sequence for enabling Order Cancellation Feature in Amazon Seller Flex Portal. Integrated the code into product and is currently installed in 200+ Amazon warehouses.