

RAHUL KUMAR

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SUMMARY

Self driven Computer Science student with over 3 years of industry experience & research
Seeking software development internship starting May 2019

EDUCATION

The Ohio State University Aug 2018 - May 2020
Masters in Computer Science & Engineering GPA: 3.67/4.0
Graduate Research Associate in HPC (High Performance Computing) Research Labs

BMS College of Engineering, Bangalore Aug 2011 - June 2015
Bachelors in Computer Science & Engineering GPA: 8.88/10.0
Member of Protocol Club under Computer Science Department

EXPERIENCE

The Ohio State University August 2018 - Present
Graduate Research Associate

- Working on Tensor Transposition Libraries for GPUs (TTLG) in HPC Research Labs
- Wrote CUDA kernels and used machine learning models to compare their performance

Oracle India August 2015 - July 2018
Applications Engineer

- Designed and developed applications in Joint Venture Management and Health & Safety Management Systems modules
- Worked on Orchestration Studio, an Internet of Things (IoT) based project which links the oracle applications to external sensors and actuators and automates the entire process
- Re-factored applications and improved performance by adding multi-threading and optimizing database queries in Advanced Job Forecasting and Contract & Service Billing modules

ShoreTel Inc April 2015 - July 2015
Software Developer Intern

- Worked in a small team to migrate ShoreTel UC Architectural components to Amazon AWS
- Tested, debugged, and resolved compatibility issues between AWS and ShoreTel components

TECHNICAL STRENGTHS

Computer Languages	C/C++, Java, Python, Matlab, Javascript, PHP, Shell Scripting
Software & Tools	Visual Studio, Eclipse, GIT, LaTeX

PROJECTS

Object Detection using Fast R-CNN and YOLO | Python (Scikit, Keras, openCV) OSU

- Identified cars and stop signs on the road in images using Fast RCNN
- Used Transfer Learning and YOLO for detecting same objects and compared performance with Fast RCNN

Chrome Extension to easily manage JDE inventory | Javascript, Chrome APIs Oracle

- Created chrome extension for inventory management application at Oracle JDE ideathon challenge
- Using this extension, the frequently used items and bucket of items were stored in local database and could be directly added to grids of JDE EnterpriseOne applications in one click

Sentiment Analysis on Twitter Data | Python, JS, NoSQL BMSCE

- Used the Restful APIs to collect twitter data related to the Nepal earthquake and analyzed people's reactions from tweets