3050 St John Ct, Apt 1
Columbus, OH

RAHUL KUMAR

(614)-717-8323
rahul_baranwal@outlook.com
www.linkedin.com/in/rahulkb88
https://rahulkb88.github.io/mysite

Education

The Ohio State University　　　　**Columbus, Ohio**　　　　**Aug'18 – May'20 (Expected)**
- Master of Science in Computer Science & Engineering.
- Coursework: Algorithms, Machine Learning, Introduction to Parallel Computing.

BMS College of Engineering (VTU)　　　**Bangalore, India**　　　　**Aug'11 – Jun'15**
- Bachelor of Engineering in Computer Science & Engineering.　　　　　　(**GPA: 8.88/10**)
- Was member of Protocol Club (under CS Department) which conducted various coding and technical events.
- Presented a technical Paper on my senior year project "Analysis of Twitter Data Credibility" in Interrnational Journal of Advance Research in Computer Science and Management Studies (http://ijarcsms.com/docs/paper/volume3/issue4/V3I4-0040.pdf).

Work Experience

Graduate Research Associate　　　**The Ohio State University**　　　　**Aug'18 – Present**
- Working on Tensor Transposition Libraries for GPUs in HPC (High Performance Computing) Research Labs.
- Created models to compare the performance of CUDA kernel functions.

Applications Engineer　　　　　　**Oracle India**　　　　　　**Aug'15 – Jul'18**
- Designed and Developed several applications in Joint Venture Management and Health & Safety Management Systems modules.
- Worked on Internet of Things (IoT) based project called Orchestration Studio. This tool links the JDE EnterpriseOne software to external sensors and actuators and automates the entire process.
- Refactored multiple applications and improved performance by adding multi-threading and database optimization in Advanced Job Forecasting and Contract & Service Billing modules.

Software Engineer Intern　　　　　**ShoreTel Inc.**　　　　　　**Apr'15 – Jul'15**
- 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.

Skills

- C, C++, Java, Python, R, HTML5, CSS3, JS, Shell Scripting.
- Visual Studio, Eclipse, MATLAB, GIT

Projects

- **Image Segmentation and Object Detection | Python (Scikit, Keras)**
  — Segregate objects in an image using image segmentaion techniques and detect objects in an image.
  — Currently, working on its extension to detect similar objects in video such as moving cars.
- **Crawling Data from Social Networking Site and Using Machine Learning to Analyze the Information Fetched | Python (Scikit, Numpy, Pandas), JavaScript, NoSQL**
  — This was my capstone project in my senior year (2015).
  — Used the Restful APIs to collect data related to the Nepal earthquake from Twitter and used Machine Learning algorithms to draw meaningful Conclusions.
- **Chrome Extension to easily manage JDE inventory | Javascript, Chrome APIs**
  — At Oracle JDE Ideathon, I created a chrome extension which can be used to manage inventory easily. Using this extension, the frequently used items and group of items (bucket) were stored in local database and could be directly added to grids of JDE EnterpriseOne applications.