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OBJECTIVE

Looking for a full time Software Engineer position, which would leverage my technical and organizational skills to deliver results. Expecting the new position to offer challenging assignments, which would provide an opportunity to advance and hone my skills further.

SKILLS SUMMARY

Programming Languages: Python (Numpy, Pandas, Scikit-Learn, PySpark, BeautifulSoup4, Matplotlib), C, R, Java
Database: MySQL, MongoDB
Cloud/Web Technologies: AWS (S3, EC2), Spark, Hadoop, MapReduce, Beanstalk, Node.js, WordPress, TCP/IP
Software Tools and methodologies: Tableau, GIT, Shell Scripting, Docker, MVC, Apache Tomcat, Agile

EMPLOYMENT

Software Engineer (Co-Op) **Motorola Solutions** **Mar 2018 – Present**

- Development of python scripts to integrate numerous systems for the Motorola Online service.

Research Assistant **Illinois Institute of Technology** **Jan 2018 – Mar 2018**

- Working on Cyber- Eye which is a research engine based on drone footage to enable learners to experience in-situ, real world project contexts in a classroom.
- Funded by National Science foundation and guided by Prof. Ivan Mutis.
- Technology: Java, JSP, HTML, CSS, Maven, MySQL, Tomcat, AWS EC2, S3 and beanstalk in a MVC architecture.

Analytics Engineer, Intern **GE Digital** **Summer 2017**

- Developed and adapted data cleansing and imputation code modules reliable for PREDIX platform (PaaS) applying machine learning techniques on the time series data.
- Improved the accuracy of fault detection in the data by 18%. Added unit testing framework using Python and Spark, to maintain baseline integrity of the code base and allow for faster turnaround on new feature development.

Webmaster **Illinois Institute of Technology** **Dec 2016 – Dec 2017**

- Development of the TEDxIIT website, design and content management.
- Created over ten pages of unique, relevant content with optimized meta information using WordPress.

EDUCATION

Chicago, IL **Illinois Institute of Technology** **Fall 2016 – present**

- Masters in Computer Science, May 2018. Expected GPA: 3.5
- Selected Graduate Coursework: Algorithms, Database Systems, Data Preparation and Analysis, Machine Learning, Cloud Computing, Operating Systems, Computer Networks, Geospatial Vision and Visualization.

Hyderabad, India **VNR VJIET** **August 2012 – May 2016**

- Bachelors in Electrical and Electronics Engineering, May 2016. GPA: 3.72

PROJECTS

- **Amazon Web Services** (2017). Comparison of performance of Spark and Hadoop on 128GB and 1TB of data using TeraSort. Implementation of virtual clusters. Spark, Hadoop, AWS, EC2, S3.
- **Operating System** (2017). Increased functionality of MIT XV6 OS by modifying the file system. Tweaked memory management to make it efficient. Created system calls to implement certain features. C, Linux, XV6.
- **Benchmarking** (2017). Designed and implemented programs to calculate the performance of key components like CPU, GPU, Memory, Disk and Network. C, Shell scripting, Multi-threading, Strong scaling.
- **Crime Prediction** (2017). Predicted the field of high crime based on the different features in the data. Used Decision trees, Gaussian Naïve Bayes, Linear SVM, linear regression, Ridge regression. Python, Scikit-learn.
- **Database and web design** (2016). Developed an online shopping store from back-end to the front-end. Improved reliability by implementing ACID properties. MySQL, Java, JSP, CSS, Apache Tomcat, JDBC.