

HACK A THLON

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EDUCATION

Master of Science: Computer Science, University at Buffalo, The State University of New York, June 20XX

Bachelor of Engineering: Electronics & Telecommunication, University of Pune, India, August 20XX

SKILLS & TOOLS

Languages: Java, Python, R, Visual Basic

Data Management & Analytics: MSSQL, SQLite, NoSQL (Pouch/Couch)

Web Development: HTML, CSS, JavaScript

Tools: Eclipse, Jupyter, Visual Studio, Android Studio

COMPUTER SCIENCE PROJECTS

Alignment-Free Sequence Analysis using Deep Learning: Python, Pytorch, Jupyter

- Employ a CNN based model for sequencing analysis using an alignment free approach to reduce computation time complexity, performing various experiments to tune parameters and optimize model

Big Data Analytics using Hadoop and Spark: Java, Hadoop, HDFS, Spark

- Derived N-gram word co-occurrences along with lemmatization from a large-scale Latin text data utilizing MapReduce and Spark

Multilingual Search System for Twitter: Java, JavaScript, Apache SOLR, AWS (EC2, S3), Bootstrap

- Engineered search system incorporating data from Twitter REST API and indexes it in SOLR to provide relevant results for queries
- Built a custom Dismax Parser plugin which translates query in other languages and boosts appropriately

Android Group Messenger with Simple Amazon Dynamo: Java, Android Studio, Distributed Systems

- Built a Group Messenger to handle concurrent message ordering, routing in P2P network with Distributed Hash Table and fault tolerance via Dynamo-style key-value storage

Analysis of World Bank Data: R, Tableau

- Cleaned, munged, and applied machine learning algorithms to classify and visualize results in a Tableau dashboard

WORK EXPERIENCE

Student Assistant, UB IT Department, Buffalo, NY: November 20XX – May 20XX

- Supported 1,000+ library patrons per week with printing and applications for issues mainly involving MS Office
- Maintained inventories and printing site supplies within specified limits

Software Engineering Intern, 43North Organization, Buffalo, NY: June 20XX – August 20XX

- Developed first mobile application prototype to minimize time required by HVAC contractors to conduct inspection
- Re-factored 40% of a cross-platform mobile application employing MVC framework (Vue.js) and NoSQL database (Pouch/Couch)

Software Test Analyst, Infosys India Pvt. Ltd., India: August 20XX – June 20XX

- Worked for US based insurance company on 15 applications and 45 projects
- Supervised execution of 10 projects, giving daily progress reports to higher management and clients
- Prepared test plans, executed end-to-end functional testing, and delivered defect free projects
- Analyzed data from OLTP and OLAP data warehouses using MSSQL and Microstrategy Reporting Tool
- Mentored new team members via knowledge transfer sessions

AWARDS & INVOLVEMENT

Volunteer, UB Office of Admissions, January 20XX – May 20XX

Membership Lead, IEEE Student Chapter, University of Pune, August 20XX – June 20XX