

ALOK THATIKUNTA

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EXPERIENCE

PayPal, San Jose, California

Software Engineering Intern, May - August, 2018

- Implemented an entire caching layer for application for faster query response times
- Containerized application for CI/CD using Docker, Jenkins for easier, faster build and deployment
- Written unit tests for application using Mockito for better code stability
- Migrated entire application workflow management cycle to Airflow

Microsoft, Hyderabad, India

Software Engineering Intern, May - July, 2016

- Developed an application for User Classification and created Cohorts for Cortana (in C#)
- Fast K Means and Hierarchical Agglomerative Clustering was used for scaling to millions of users
- Used for selecting relevant, diverse set of users for testing of products

International Institute of Information Technology, Hyderabad, India

Head Teaching Assistant, Introduction to Databases, Science 2

SKILLS

Languages : C++, Python, Java, Scala, C#, SQL, Javascript, Prolog

Technologies : Docker, Airflow, Spring, Angular, Jenkins, Github

EDUCATION

Stony Brook University, Stony Brook, New York

Master of Science, Computer Science, August 2017 - December 2018 (GPA - 3.92/4.0)

International Institute of Information Technology, Hyderabad, India

Bachelor of Science, Computer Science, August 2012 - June 2017 (GPA - 7.25/10.0)

PROJECTS

Trashbin management system in Unix

Operating Systems

- Enabling file recovery for deleted files. Periodically clean older files. Configurable parameters for user
- Asynchronously handle compression and encryption of files for security and optimizing disk utilization

Wikipedia Search Engine

Information Retrieval and Extraction

- Implemented an efficient search engine (in Python) on entire dump of Wikipedia data
- Indexing was done for fast search, return 100 queries per second. TF/IDF was used for ranking

RELEVANT COURSEWORK

Graduate: Data Science Fundamentals, Big Data Systems, Operating Systems, Algorithms

Undergraduate: Information Retrieval, Database Management Systems, Statistical Methods in AI

ACHIEVEMENTS

- Ranked 40th (2017) at ACM ICPC Greater New York Region Finals
- Ranked 82nd (2016), 98th (2015) at ACM ICPC Asia Amritapuri Region Finals, of over 2000 teams
- Problem Setter at Codecraft, an online programming competition held at Felicity, IIIT-H Annual Fest
- Won 1st prize in Inter batch Badminton tournament held at IIIT-H