

Education

University of North Carolina at Charlotte

Charlotte, NC

MASTER'S IN COMPUTER SCIENCE, GPA 4.0/4.0

Aug 2018 - Dec 2019

University of Pune

Pune, India

BACHELOR'S IN COMPUTER ENGINEERING

2011 - 2015

Skills

- **Programming Languages:** Python, Java, C#, C, C++, R, Scala
- **Big Data & Databases:** SQL, PL/SQL, MySQL, NoSQL, Hadoop, Spark, Sqoop, Hive, Flume, Kafka, Scope, COSMOS, MS SQL Server
- **Visualization & Software Tools:** SSIS, Informatica, Tableau, Power BI, Android Studios, Visual Studios, MS Office, XLMiner, Git/GitHub
- **Web Services:** Azure, AWS(S3, EC2, EMR, ELB), Xflow, DataGrid
- **Methodologies:** Data Engineering, ETL, Data Warehousing, Database Management System, Data Visualization

Experience

University of North Carolina at Charlotte

Charlotte, NC

GRADUATE TEACHING ASSISTANT

Jan 2019 - May 2019

- Grading, proctoring and tutoring students and interacting one-on-one with them to resolve their queries for "Software Development Projects" course.
- Collaborating with students in projects which used full-stack technologies using Agile development.

Tata Consultancy Services

Pune, India

DATA ANALYST | BUSINESS INTELLIGENCE DEVELOPER | MICROSOFT DATA ENGINEER

Sep 2015 - Aug 2018

- Performed Data Engineering and Analysis for creating Windows, Xbox, Devices & Search consumer profiles on Microsoft Big Data platform. These profiles were used to target and deliver ~16 billion emails and ~24 billion in-product impressions annually.
- Saved \$18,000 by Engineering, Automating & Migrating data pipeline for Newsletter and Health Reports which proved tactical in expressing data quality and availability for daily campaigns for the organization.
- Collaborated and negotiated with various Marketing planners in designing pipeline to improve user coverage by 10%.
- Performed root cause analysis to detect 15% drop in Window's user & devices data and provided strategic solution to resolve those issue.
- Diagnosed data anomalies or discrepancies within Windows App data and took necessary counter measures to remedy those issues.
- Designed complex database schema, Data Mart, implementing business logic using stored procedures, writing complex, highly-optimized SQL queries.
- Monitoring SQL Server Performance using SQL Profiler, Index Tuning Wizard and Windows Performance Monitor.
- Created various metric reports in Power BI which proved strategic in checking data quality and performing root cause analysis in-case of issues.
- Manage on-boarding data for Xbox, Hololens, Windows, Surface, Bing and MSN, Phones from cloud storage (COSMOS) to SQL Server.
- Experience creating data modeling, ETL development, and Data warehousing.

The Solution Circle

Pune, India

SOFTWARE DEVELOPMENT INTERN

May 2014 - Aug 2014

- Conceptualize, develop, and test native Android applications, including UI and core functionality.

Projects

BEER RECOMMENDATION SYSTEM USING COLLABORATIVE FILTERING ON SPARK

Charlotte, NC

PYTHON | PYSPARK | HADOOP | BIG DATA

Jun 2019 - Jul 2019

- Implemented Item-Item & User-User recommendation system using Matrix factorization method & cosine similarity.

INTERACTIVE INFORMATION VISUALIZATION FOR DATA-SETS SEARCH USING D3 GRAPHS

Charlotte, NC

JAVASCRIPT, D3, CSS, HTML, DATA VISUALIZATION

Mar 2019 - May 2019

- Created different dashboards using D3 visualization techniques for knowledge comprehension.

HADOOP MAP-REDUCE DOCUMENT WORD SEARCH ENGINE USING TF-IDF SCORE

Charlotte, NC

JAVA | HADOOP | MAP-REDUCE | BIG DATA

Jan 2019 - Feb 2019

- Search for a word (e.g., a query) from a large collection (eg., documents) of an unstructured nature (usually text) & After searching the word, compute the TF-IDF score for the documents to tell which document is most relevant.

MICROSOFT MALWARE PREDICTION

Charlotte, NC

XLMINER | MS EXCEL | BIG DATA | PYTHON | MACHINE LEARNING

Jan 2019 - May 2019

- Utilizing data-set provided by Microsoft which has unprecedented malware data we intend to predict devices prone to malware attack, using tools, techniques like Python, XLMiner, Excel, Classification, Clustering, Regression.

Certification & Publication

- CCA 175 - Spark and Hadoop Developer - Python (pyspark) from Udemy.org
- Published research paper on "Discovery & Verification of Neighbor Position in Ad Hoc Network" at "International Journal of Emerging Trend in Engineering & Basic Sciences"
- MS Office and Computer Fundamentals from Maharashtra State-Certificate in Information Technology.