

# Nikhil Jadhav

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## Education

### University of North Carolina at Charlotte

M.S. IN COMPUTER SCIENCE, GPA 4.0/4.0

Charlotte, NC

Aug 2018 - Dec 2019

### University of Pune

B.E. IN COMPUTER ENGINEERING

Pune, India

2011 - 2015

## Skills

- **Programming Languages:** Python, Java, C#, C, C++, R, Scala, PySpark, HTML
- **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, AWS S3, Xflow, DataGrid
- **Methodologies:** Data Engineering, ETL, Data Warehousing, Database Management System, Data Visualization

## Experience

### University of North Carolina at Charlotte

GRADUATE TEACHING ASSISTANT

Charlotte, NC

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.

### Tata Consultancy Services

DATA ANALYST | BI DEVELOPER | MICROSOFT DATA ENGINEER

Pune, India

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.
- Engineered, Automated & Migrated data pipeline for Newsletter and Health Reports proved tactical in expressing data quality and availability for daily campaigns, which saved \$18,000 for the organization.
- Performed root cause analysis to detect 15% drop in Window's user & devices data and provided strategic solution to resolve those issue.
- Collaborated and negotiated with various Marketing planners in designing pipeline to improve user coverage by 10%.

### The Solution Circle

SOFTWARE DEVELOPMENT INTERN

Pune, India

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

PYTHON | PYSPARK | HADOOP | BIG DATA

Charlotte, NC

Jun 2019 - Jul 2019

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

### DIJKSHTRA'S SHORTEST PATH IN A NETWORK

JAVA | ALGORITHM & DATA STRUCTURE

Charlotte, NC

Mar 2019 - May 2019

- Implemented a network that follows the OSPF protocol to route packets using Dijkstra's shortest path algorithm.

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

JAVA | HADOOP | MAP-REDUCE | BIG DATA

Charlotte, NC

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

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

Charlotte, NC

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.

## Leadership and Management

- Head of Fun committee and Lead team of juniors during project development and training at Tata Consultancy Services.
- Mentored a team of 3 in Windows Big Data tools & technologies