SAUMIT CHINCHKHANDI

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EDUCATION

The University of North Carolina at Charlotte, Charlotte, NC, USA   **Aug 2022 - May 2024**
Master of Science (MS) in Computer Science   **(CGPA: 4/4)**
Relevant Coursework: Algorithms & Data Structures, Intelligent Systems, Big Data Analytics for Competitive Advantage, Visual Analytics, Mobile Application Development and Computer Communication Networks.

Ramaiah Institute of Technology, Bangalore, India   **Aug 2015 - May 2019**
Secured a Bachelor of Engineering in Computer Science and Engineering   **(CGPA: 3.46/4)**
Relevant Coursework: Analysis & Design of Algorithms, Java Programming, Theory of Computation, Data Mining & Analytics.

PROFESSIONAL EXPERIENCE

University of North Carolina at Charlotte, USA   **Jan 2023 - Present**
Instructional Teaching Assistant
Course: Intelligent Systems (ITCS 6150 – 8150) under Prof. Dewan Ahmed

- Performed teaching assistant duties including redesigning course syllabus and aiding students with assignments, grading course deliverables, mentoring students by conducting TA hours for doubt solving, proctoring examinations and clerical help.

Infosys, Pune, India   **Nov 2019 - July 2022**
Senior Systems Engineer

- Sole Business Intelligence(BI) and SQL Server Analysis Services(SSAS) Tabular Cube developer for XPO Logistics Iberia responsible for creation and modification of dimension tables, measures, calculated columns and other Key Performance Indicators(KPI's) along with implementation of Row-Level Security(RLS) for Tabular Cube comprising of 70+ tables and 500+ KPI's.
- Spearheaded implementation of dynamic partitions and measure groups for customer tables which helped in swift modification of partition data range, reduced tabular cube size for faster processing and reduced daily cube processing time from 5 hours to 45 minutes in UAT and PROD environments.
- Developed multiple detailed Power BI dashboards and reports for visualizing customer trucking and freight data and provided complete end to end support for resolving issues in existing customer BI dashboards and reports.
- Designed SQL Server Integration Services (SSIS) data pipelines for extracting customer data from staging, transforming based on customer requirements and secure loading into production data warehouse tables.

Huawei Technology India Private Ltd (HTIPL), Bangalore, India   **Feb 2019 - Aug 2019**
Project Intern

- Interned for the Customer Experience Management (CEM) team and designed and developed Mule workflows using Ruby scripting language in Anypoint Studio for processing and transforming Huawei customer networking data and storage in Hadoop Distributed File System (HDFS) environment.
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PERSONAL AND ACADEMIC PROJECTS

Flight Delay Prediction Using AWS | *AWS Services, Jupyter Notebook*   **Dec 2022**

- Used Amazon Web Services (AWS) for predicting future flight delays and cancellations using AWS Simple Storage Service (S3) for storage, AWS Glue for extracting table schema, AWS Athena for data preparation and cleaning, AWS Sagemaker Jupyter Notebook Instances for Data visualization and ML model training for analyzing Flight Delay data for different airline operators.

Study of Leaf Disease Using Deep Learning | *Python, TensorFlow, Keras, Flask, CNN, phpMyAdmin*   **May 2019**

- Implemented AlexNet Convoluted Neural Network (CNN) architecture for image classification and identification of leaf disease. The neural network was trained intensively with thousands of leaf images and disease present leaf scans are passed through different neural network convolutional, pooling and output layers until an output neuron is detected which correctly identifies the disease.
- Developed a fully functional web application for accepting leaf images and displaying neural network determined leaf disease scan results with a robust database designed using phpMyAdmin.
- Published paper in International Journal of Computer Science and Engineering, Vol.7 (4), Apr 2019, E-ISSN: 2347-2693.

TECHNICAL SKILLS

- Programming Languages and Technologies: Java, Python, JavaScript, SQL.
- Framework/Libraries: Pandas, NumPy, Scikit Learn, Matplotlib, Keras, TensorFlow.
- Web Development: HTML, CSS, JavaScript, Bootstrap.
- Databases and Visualization/Analytics Tool: MySQL, MongoDB, SQL Server Services ETL stack (SSAS, SSIS, SSRS, SSMS), Microsoft PowerBI, Tableau, AWS QuickSight.
- Software IDE and Tools: Eclipse, IntelliJ IDEA, Android Studio, Visual Studio Code, GitHub.