

Bandaru Amrutha Varshini

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EDUCATION

The University of North Texas | M.S., Science – Information Science.

May 2021

Related coursework: Data Visualization, Data Analytics, Business Analytics, User Research, Data Mining, Machine Learning, Project Management for Information Systems, Data Modeling and Management, Statistics and Database.

Osmania University, India | Bachelors in Electronics and Communication Engineering.

June 2019

SKILLS

Languages: C, C++, SQL, Python (scikit-learn, NumPy, pandas, matplotlib), R, HTML

Visualization and Database Design: Microsoft Office Suite, Tableau Desktop, Power BI, Qlik, SAP, SAS, Excel (VBA, Pivot Tables, VLOOKUP)

Big Data Technologies: Hadoop, Scala, Pig, Hive, Apache Spark

Machine Learning: TensorFlow, Keras, CNN, Regression Models, Decision Trees

Operating Systems: Windows, Linux

Web Development: HTML, CSS, Bootstrap, PHP

Statistical Techniques: Hypothesis testing, Regression Analysis, Time Series Analysis, A/B Testing, ANOVA

EXPERIENCE

Indian Institute of Hardware Technology Limited

July 2018-June 2019

Engineering Intern

- providing project management support for Engineering operations such as standardization projects, Data cleanup, Documentation, and process development.
- Review's engineering program activities to make recommendations for changes in policy and procedures.
- Communicating with other departments about defects and strategize corrections.
- Become familiar with the processes, functions, duties, and workflow of different departments.
- Completing well-defined work assignments as well as actively participating in hands-on projects and/or unique tasks are needed.

ACADEMIC PROJECTS

Master's in information science, University of North Texas. Denton, TX

Data Analysis using Excel and RapidMiner

September 2019-December 2019

- Performed data cleaning on dataset containing more than 1,00,000 records using MS Excel.
- Using data sets from open sources like Kaggle, we as a group analyzed the data from these data sets to learn trends in those data sets.
- Analyzed popularity of businesses and their products from thousands of companies and their customer's reviews.

Online Drug Store Database – SQL

September 2020-December 2020

- Created business rules, Entity Relationship Diagram (ERD), data dictionary, developed a database on MySQL.
- Ran multiple queries with the sample data which scored above 90% for the final term project.

Bachelor of Engineering, Osmania University, Hyderabad, India

GSM based Garbage and Waste Collection Bins Overflow Indicator

May 2019

- This system monitors the garbage bins and informs about the level of garbage collected in the garbage bins via a SMS.
- For this the system uses ultrasonic sensors placed over the bins to detect the garbage level and compare it with the garbage bins depth.
- GSM is built to show the status to the user, monitoring it.
- with SMS. The SMS consists of text related to all garbage bins.

CERTIFICATION

Anaplan Level 1 Model Builder

May 2020

- This is a hands-on course; where we will build a Finance model for Unicorn Candy Company, Identify the elements of DISCO (Data, Input, System, Calculation, and Output) in a model schema. That includes modules, lists, line items and hierarchies.
- Construct formulas and functions to calculate data and reference modules. Build end user dashboards that include grids, charts, and lists. Assign role-based model access permissions. This includes experience building and implementing strategies.