Maniteja Kurukunda

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**EDUCATION**

**The University of Utah, David Eccles School of Business - CGPA:3.667/4**Salt Lake City, UT

*Master of Science, Business Analytics. December 2023*

* **Relevant Coursework**: Data visualization, Database theory and design, Data Science and Bigdata Analytics, Statistics and Predictive Analytics, Algorithms for Business Decisions, and Machine learning for Business Applications. Business Applications of Text Analytics.

**G. Pulla Reddy Engineering College, (Autonomous)- CGPA: 7.77/10**Kurnool, AP

*Bachelor of Technology - BTech, Electronics and Communications Engineering. September 2020*

* **Relevant Coursework:** Engineering Mathematics, Professional communications &English, Computer Programming, Probability theory & Stochastic Process, Complex variables, and special functions. OOPS through JAVA programming, Business English &Technical writing.

**SKILLS**

**Databases/Datawarehouse/Big Data**: MySQL, Oracle, Hadoop, Hive, Spark, Snowflake.

**Cloud**: AWS Beginner, IBM Cloud.

**Analytics/Visualization**: Power BI, Tableau, Excel Macros, VBA, Matplotlib, ggplot.

**Programming**: R, Python, Java.

**Query languages:** SQL.

**Statistics**: Descriptive statistics, Inferential Statistics, Regression analysis.

**Other Technical Skills:** Machine learning, HTML, CSS, JS, MS Office Suite, Advanced Excel.

**IDE:** Eclipse, R Studio, Jupyter.

**Languages:**  English, Telugu.

**HACKATHON PROJECTS / ACADEMIC PROJECTS**

**Smart Floods Prediction and Warning System :**

* Collected the data using IR Sensor using IoT
* Developed a Machine learning model to predict floods based on the dam water level using IBM Watson.
* Used IBM Node-Red to send alerts to dangerous areas.

**Staffing Inefficiency at AdviceInvest :**

* Sales representatives at adviseinvest are underutilized due to missed appointments.
* A predictive model was developed using historical customer data to predict which clients are more likely to pick up calls.
* By focusing on appointments with clients who are more likely to participate, adviseinvest hopes to increase the utilization of their sales representatives and address the issue of underutilization.

**EXPERIENCE**

**The University of Utah, David Eccles School of Business** Salt Lake City, UT

***Graduate Teaching Assistant*** *November 2022 – Present*

**Professor:** Dr. Jeff Webb.

**Courses:** Introduction to Business Analytics, Statistics, and Predictive Analytics.

**Technology/Skills/Tools**: R, Python, R Studio, Supervised Learning, Probability, Inferential Statistics, Regression analysis, Descriptive Analytics, Predictive Analytics, Prescriptive Analytics, MS Excel, and PowerPoint.

* Assisted in developing lecture materials.
* Installed software for assignment purposes and clarified course doubts for students.
* I assisted in the conversion of R assignments to Python assignments.
* Graded the assignments and exams of students.

**Cognizant Technology Solutions** Chennai, TN

***Junior Software Engineer, Application Development and Maintainance*** *October 2020 – July 2022*

**Client**: Savvas.

**Technology/Tools/Environment**: Power BI, IBM Mainframes, Microfocus, Oracle, Autosys, Linux, MS Office Suite.

**Project**: Automation and Visualization of Monthly Reports.

* Professional Data analyst certification by Cognizant Technology Solutions.
* The monthly data was extracted from the Oracle database and transformed according to the business needs, then loaded into Power BI (ETL) for data analytics.
* Data pipeline created and maintained to keep data up-to-date for monthly sheets.
* Created a dashboard using Power BI for Business Advancement to display monthly reports as a team.
* The time it takes to prepare the reports has been reduced from 4 hours to 50 minutes.

**Project**: Fiscal year change.

* I documented the COBOL programs affected by the year change in Microfocus.
* I listed the databases, tables, functions, procedures, and views through oracle queries to determine the impact of year change.
* Documented the Autosys jobs which are affected by the year change.
* Delivered the list of jobs, COBOL programs, and database information within 20 days, less than the actual delivery (30) days.

**Project**: Data Migration (EOL- End of Life).

* Designed new servers and imparted between them.
* Analyzed jobs scheduled in Autosysapplication to migrate without errors
* Verified the input and output files in the microfocus from the job scripts.
* Configured the newly generated database from the old database.
* Completed functional testing as a component of data migration.
* The project was delivered within 40 days, with quality testing earlier than expected.

**INTERNSHIPS**

**Cognizant Technology Solutions** Hyderabad, TS

***Intern, Application Development, and Maintainance*** *December 2019– April 2020*

**Technology/Tools**: MS Office Suite, SQL, MYSQL, Python, Java, HTML, CSS, JS, Eclipse IDE, Jupyter.

* I made basic front-end web pages to understand the flow utilizing HTML, JS, and CSS.
* I designed the relational database from the base utilizing MySQL to demonstrate the DDL, DML, DQL, DCL, and TCL commands.
* I customized Python and java for web development and executed using Eclipse IDE and Jupyter. In addition, I verified the data

by connecting to MYSQL.

* I performed data ingestion and data modeling for basic data analytics by connecting MYSQL and Jupyter notebook.
* Led a team of five people in a group project in maintaining the whole project architecture and data flow.

**ACHIEVEMENTS/CERTIFICATIONS**

## TEKHACK-2018 Nodal Winner, Natural Disaster Preparedness & Relief - IBM- Hackathon

 **Statistics Certification** - Cognizant Technology Solutions.

**Data Analyst Certification** - Cognizant Technology Solutions.