**BANDHAM MANIKANTA**

Data Scientist

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**SUMMARY**

Overall 4.5 years of experience in various domains, out of which **1.3 years** of experience in Data Science and predictive modeling using python and **3.5 years** of experience in **full stack web development** with various technologies. Experienced at creating models using predictive data modeling and analyzing data to deliver insights and implement action-oriented solutions to complex business problems.

* Highly accurate and experienced Data Scientist adept at collecting, analyzing, and interpreting large datasets, developing new forecasting models, and performing data management tasks.
* Possessing extensive analytical skills, strong attention to detail, and a significant ability to work in team environments.
* Involved in driving entire project life cycle from gathering data to deployment of the model.
* Good hands on experience in Statistical analysis and predictivemodeling.
* Skilled & Proficient in using various tools/libraries such as **Sklearn, Pandas, NumPy, Matplotlib** and **Seaborn** for data exploration, feature engineering and data visualization, etc.
* Worked independently for deployment of models using **Docker**.
* Experienced in Web Scraping using **Beautiful Soup**, **Selenium** with Python.
* Proficient in building web applications using **Flask** – **Python**.
* Skilled in translating user requirements to technical specifications and interaction with architects in identifying various business rules to implement better applications.
* Have good hands on experience in building **Front end** web applications using **Angular 7.**
* Also have hands on experience on **Java,** Springboot, MySQL, Oracle, MVC, Solr, GraphQL, Linux.

**DATA SCIENCE SKILLS**

* Predictive modeling: **Linear Regression, Logistic Regression, Support Vector Machines (SVM), Decision Tree, Random Forest, XGBoost, Naive Bayes, KNN, Keras, NN**.
* Data Cleaning, EDA (Exploratory data analysis) – **Pandas,** and **Numpy.**
* Data Visualization techniques - **Matplotlib** and **Seaborn**.

**TECHNICAL SKILLS**

* Programming Languages: Python, Java
* Frameworks: Flask**,** Spring**-**boot and GraphQL.
* Client-Side Technologies: Angular 7
* Development/Build Tools: Docker, Jenkins, Git, Splunk, Jira.
* Database**:** RDBMS (Oracle, MYSQL).
* Methodologies**:** PI (Program increment), Agile (SCRUM), SDLC.
* ScriptingLanguages**:**  Windows PowerShell and Linux scripting.
* AdditionalTools/Technologies**:** Splunk, Apache Solr, UFT automation tool, Postman Scripting.

**EDUCATIONAL QUALIFICATION**

* B.Tech – Jawaharlal Nehru Technological University, Anantapur - 77% in 2015.
* Intermediate (Plus 1 & 2) - 87.7 % in 2011.
* High School (SSC) - 84% in 2009.

**EMPLOYMENT:**

**CenturyLink India Pvt Ltd** – Data Scientist – Apr 2019 – Present.

**CenturyLink India Pvt Ltd** – Full Stack Software engineer – Jun 2018 – Mar 2019.

**UST Global India Pvt Ltd** – Software Engineer. – Dec 2015 – May 2018.

**PROJECTS**

### **Fraud CDR detection – (04/19 – 08/19) - Data Science**

### The aim of this project is to classify fraud CDRs in the telecommunication industry.

### Technology/Tools: **Python, Sklearn, Pandas, Numpy, Matplotlib, Seaborn, MySQL, and Flask.**

### **Responsibilities:**

### Involved in driving the entire project life cycle from gathering business requirement, scoping possible solutions to implementing and presenting actionable insights from analyses to business stakeholders.

### Participated in data gathering from various data sources and performed data exploration to find out the missing & outliers. Applying statistical techniques to impute the missing data.

* Participated in creating forecasting models for predictions and performing cross-validations to find out the right tuning parameters.
* Models used: **Logistic Regression, SVM, Naïve bayes, KNN, Decision Trees, and Random Forest**.

### Perform Model validations and create an interface for hosting the Model.

* We have achieved a model accuracy of 89 %.

### **Osmose towers Damage rate prediction (09/2019 - 02/2020) – Data Science**

### At CenturyLink Data Scientist Team, I work for Osmose Utility Service. It is a US-based Utility management ﬁrm that provides and manages the electric steel towers and wood poles across North America.

The aim of this model is to predict the damage rate(corrosion) of mobile towers (Steel & Wooden). Technologies/Tools: **Python, Pandas, Numpy, Sklearn, Matplotlib, Seaborn, Flask & MySQL database.**

### **Roles and Responsibilities:**

### Involved in driving the entire project life cycle from gathering business requirement, scoping possible solutions to implementing and presenting actionable insights from analyses to business stakeholders.

### Gathering/Collecting the data from sources and Participating in Data preprocessing techniques in order to make the data useful for Machine learning models.

### Applying statistical techniques to impute the missing data and performing exploratory data analysis on the data to find out the insights within the data.

### Deriving the insights from the data and deciding a right Machine learning algorithm based on the analysis.

* Algorithms used: **Random Forest, Linear Regression, SVM/SVR, XGBoost, and Decision trees, etc.**

### Created models that predict the damage rate of towers and calls out the structure for maintenance and achieved the RMSE of **11** and reduced the tower maintenance expenses by **20%**.

### Performing cross validations to find out the right tuning parameters for the model.

* Exploring pain areas in the process, suggesting and implementing solutions for performance improvement and thereby increasing business value.

### Perform model validations and creating a flask-based interface for hosting the model.

* Increased the overall productivity and cut unnecessary maintenance costs.

**Priority Predictor - Support tickets (03/2020 - Present) – Data Science**

The aim of this model is to predict the priority of the support tickets.

### Technology/Tools: **Python, Sklearn, Pandas, Numpy, Flask, Matplotlib, Seaborn and SQL.**

### **Responsibilities:**

### Gathering the data from various sources.

### Performing data exploration and Data Visualization to find out the insights from the data.

* Applying Statistical analysis and Create Predictive models and apply cross validation techniques to get a best model.
* Model used: **Support Vector Machine (SVM), Logistic Regression.**

### Perform Model validations and create an interface for hosting the Model.

### **Customer impact identification Services – Jun 2018 – Mar 2019 (JAVA)**

### **Description:** This is a service to fetch all the connected/affecting devices or services dependent on a device.

### Technology/Tools: **Java, Spring Boot, MySQL, Angular 7, Jenkins, Splunk, and Docker.**

### **Responsibilities:**

* Implementing new restful APIs and Enhancing existing services.
* Implementing Front end Web UI using Angular 7 (Typescript).
* Writing Unit and Integration test cases.
* Coordinating with the team as well as with the onsite coordinator regularly.
* Helping teammates on the issues they are facing related to business requirements and coding.

**Equicom Consumer Data services: Dec 2015 – Jun 2018 (JAVA) – UST Global**

**Client**: Equifax

**Description**: This is a project which provides the customer order details and other details to other applications within Equifax.

Technology/Tools: **Java, Spring-Boot, Oracle database, Restful Web services, Maven, Jenkins, and GIT.**

**Responsibilities**:

* Configuring new Restful services as well as enhancing existing services.
* Working with security team for various security scans, fixing the defects and coding standard violations and then submitting the report with detailed analysis.
* Coordinating between project manager, team-members and clients.

**PARTICIPATIONS & ACCOMPLISHMENTS**

* Received ‘Certificate of Excellence - Equifax Outstanding Contributor Award’, Rewarded.
* Participated in a technical competition called TechJam 2020 – CenturyLink.

**LANGUAGES**

English, Hindi, Telugu and Malayalam.

**DECLARATION:**

I hereby affirm that information in this document is accurate and true to the best of my knowledge.

DATE:

PLACE: BANGALORE Bandham Manikanta