**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 year of experience in full stack software engineer. 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 predictive modeling.
* 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 and Kubernetes.
* Experienced in Web Scraping using BeautifulSoup, 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 (Typescript).
* Also have hands on experience on Java, Spring boot, 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)
* 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.
* **Scripting Languages:**  Windows PowerShell and Linux scripting.
* **Additional Tools/Technologies:** 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**

### **Osmose Steel Towers – May 2019 – Present (Data Science)**

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

As a Data Scientist, I’m working as a team/individual contributor for this project and developed multiple models to predict corrosion state of steel towers.

### **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, Logistic Regression, and Decision trees, etc.**

### Creating models for predicting Corrosion state of Steel and wood towers for next 10 years. Achieved the **RMSE of 11** (highest).

### 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.

### **CDR Fraud detection model (Call Detail Record) – Apr 2019 (Data Science)**

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

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

### **Responsibilities:**

### Gathering the data from various sources.

### Performing data exploration to find out the insights from the data.

### Applying statistical techniques to impute the missing data.

### Creating a model for predictions and performing cross-validations to find out the right tuning parameters.

* Models used: **Logistic Regression, SVM, Naïve bayes, KNN, Decision Trees, Random Forest, etc**.

### 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, Jenkins and Angular 7.

### **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.

**INTRESTS**

* Learning new concepts and technologies to enhance my technical skills.
* Automating regular tasks.
* Reading books.
* Travelling.

**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