

**ASHISH JAIN**

**Mo:** +91-9503393018 || **E-Mail**: [ashishvit13@gmail.com](mailto:ashishvit13@gmail.com) **|| GitHub:** <https://github.com/ashishvit13>

**LinkedIn**: <https://www.linkedin.com/in/ashish-jain-88585346/>



# Career Objective

Experienced individual with strong statistical analytic capabilities and ability to work with a variety of data environment. Looking to apply extensive data scientist experience in a fast-paced and dynamic firm to create data collection models that generate insight. Coming with strong programming experience.

**Work Experience**

|  |  |  |  |
| --- | --- | --- | --- |
| **Organization** | **Duration** | **Designation** | **Responsibilities** |
| Linedata Services | Oct’19 - Present | Senior Engineer | Developing AI & ML based Apps |
| Accenture | Nov’16 – Oct’19 | Senior Software Engineer | Developed models for predictive and descriptive analytics |
| Magna Infotech | Apr’16 – Aug’16 | Senior Test Engineer | Performed Automation and Manual testing on software products |
| Voxvalley Technologies | Sep’15 – Mar’16 | QA Associate | Performed testing and quality assurance for software products |
| Synsoft Global | Jul’13 – Aug’15 | Test Engineer | Performed VOIP testing on softphones and hard phones |

# Education

|  |  |  |
| --- | --- | --- |
| **Degree** | **Passing Year** | **Board** |
| Bachelor of Engineering | 2013 | RGTU |

**Tools & Technologies**

* **Programming Languages : Python**
* **Back-end Technologies : Machine Learning Algo’s, NLP, Analytics, Data Science**
* **Front-end Technologies : Flask**
* **Databases**  **:** **MS-SQL, MySql**
* **Architectures** **:** **MVC**
* **Tools**  **:** **Pandas, Numpy, sklearn, Matplotlib, NLTK, Gensim (word2vec)**
* **Scripting Languages** **:** **Python**
* **Version Controller : Git, Azure Repo**
* **SDLC Model : Agile**
* **Operating Systems** **:** **Windows family, Linux (Ubuntu)**
* **Dev-Ops (Basic) : Azure DevOps**

**Key Projects**

|  |  |  |  |
| --- | --- | --- | --- |
| **Client/Company: Linedata Services** | | **Project: ML Based Search Engine** | |
| **Description** | **Duration** | | **Roles & Responsibilities** |
| Built a search engine which is capable of  capturing semantic and syntactic  relationship between words, the model is  trained on the database which is full of  millions of support ticket records. By using  this search engine, users get the results for  the searched query which is most similar in  terms of semantic and syntactic relation. | Nov 2019  to  Present | | * Design the architecture of the Search Engine with seniors. * Leverage it for all Linedata products * Build Search engine using gensim which is a implementation of word2vec model * Improve model performance by tuning hyper-parameters * Evaluate model performance by measuring Accuracy |
| **Technology**: Python, My-SQL, sk-learn, NLTK, Flask, gensim, pandas, lang detect | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Client/Company: Accenture** | | **Project: CHATBOT for Service-Now & KX Documents** | |
| **Description** | **Duration** | | **Roles & Responsibilities** |
| Build a CHATBOT which creates an incident in service-now, it also updates the status of incident and fetch the status of incidents. It also provides information to users, related to KX Documents of different teams. | Apr 2019  to  Sep 2019 | | * Participated in the design phase of CHATBOT * Integrated Google Text to Speech library with CHATBOT * Build CHATBOT learning model using Naïve Bayes Classifier * Improve model performance by tuning hyper-parameters * Evaluate model performance by measuring Accuracy |
| **Technology**: Sk-learn, NLTK, gtts (Google Text to Speech), Speech Recognition, requests | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Client/Company: Accenture** | | **Project: Automatic Selection of Regression test cases based on previous regression patterns** | |
| **Description** | **Duration** | | **Roles & Responsibilities** |
| Build a Model for Classification of Regression Test Cases based on previous patterns of Regression, most error prone & recently deployed functionalities for Accenture Internal. | Jan 2019  to  Mar 2019 | | * Build a Logistic Regression model for classification of Regression test cases based on previous regression patterns * Performed feature engineering using feature importance ranking in order to reduce overfitting * Improve model performance by tuning hyper-parameters & used Grid Search CV * Evaluate model performance on different datasets by measuring minimum mean validation error * Evaluate model performance by measuring roc\_auc score |
| **Technology**: Sk-learn, Pandas, Numpy, Seaborn, Matplotlib | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Client/Company: Accenture** | | **Project: Data Science and Machine Learning Trainer** | |
| **Description** | **Duration** | | **Roles & Responsibilities** |
| Deliver training session on Data Science and Machine Learning to Accenture Employees | Jun 2018  to  Dec 2018 | | * Delivered training sessions to Accenture employees on Data Science and Machine Learning Algorithms * Provided Hands on Training to employees as Trainer under Accenture LKM team |
| **Technology**: Linear, Logistic, Decision Trees, Random Forest, KNN, Naïve Bayes, Boosting Machines, SVM etc. | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Client/Company: Accenture** | | **Project: Service Desk Automation** | |
| **Description** | **Duration** | | **Roles & Responsibilities** |
| Build a model for categorizing service desk  tickets and predicting resolution for a  client using Machine Learning and NLP. | Dec 2017  to  Jun 2018 | | * Participated in the initial discussion of model building process * Performed data pre-processing for model building like data cleaning, manipulation and visualization * Performed feature engineering using feature importance ranking in order to reduce overfitting * Improve model performance by tuning hyper-parameters & used Grid Search CV (K-Fold cross validation) * Evaluate model performance on different datasets by measuring accuracy |
| **Technology**: GBM (Gradient Boosting Machine) | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Client/Company: Accenture** | | **Project: Predicting Sales for different Product Categories** | |
| **Description** | **Duration** | | **Roles & Responsibilities** |
| Build a Model for Prediction of Sales of  different products for one of the largest  Ecommerce Platform & achieved accuracy  of 88%. That helps business to increase the  sales of products by taking actions on the  results of model. | Jun 2017  to  Nov 2017 | | * Participated in the initial discussion of model building and select ridge regression over linear regression * Performed data pre-processing for model building like data cleaning, manipulation and visualization * Performed feature engineering using feature importance ranking in order to reduce overfitting * Improve model performance by tuning hyper-parameters & used Grid Search CV (K-Fold cross validation) * Evaluate model performance on different datasets by measuring minimum mean validation error |
| **Technology**: Ridge Regression | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Client/Company: Accenture** | | **Project: Loan Approval Prediction based on FICO score** | |
| **Description** | **Duration** | | **Roles & Responsibilities** |
| Build a prediction model of classification  problem for loan approval application  based on fico score for one of the Banking  client | Nov 2016  to  Jun 2017 | | * Scrapped existing Logistic regression model and build a new model based on Random Forest for good accuracy * Performed feature engineering using feature importance ranking in order to reduce overfitting * Improve model performance by tuning hyper-parameters & used Randomized Search CV * Evaluate model performance on different datasets by measuring minimum mean validation error * Evaluate model performance by measuring roc\_auc score |
| **Technology**: Random Forest | | | |

**Testing Background Projects:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Client/Company: Magna Infotech** | | **Project: Radisys MRF (Media Engine)** | |
| **Description** | **Duration** | | **Roles & Responsibilities** |
| MRF is a Media Engine, it is a device which  is responsible for real time codec  conversion using Transcoding, Recording  functionality, HD audio-video processing. | Apr 2016  to  Aug 2016 | | * Scrapped existing Logistic regression model and build a new model based on Random Forest for good accuracy * Served as Senior Test Engineer and looked after complete project related activities right from testing SRS as highlighted by the client * Tested Media Server full stack (front end windows & Backend Linux) * For Front End Testing, used Selenium as an automation tool with python as a scripting language & robot framework as a test automation framework. * For Back End Testing, used python as a scripting language and unittest as a framework. * Developed python scripts for new features and maintained existing scripts. * Performed Functionality Testing, System Testing, Smoke Testing, Integration Testing and Regression testing |
| **Technology**: Selenium, Robot Framework, Unittest Framework | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Client/Company: Synsoft & Voxvalley** | | **Project: Bria & X-lite Softphone Applications** | |
| **Description** | **Duration** | | **Roles & Responsibilities** |
| Bria & X-lite are the softphones which works on SIP Protocol and supports Audio-  Video calling, Conferencing, Instant Messaging, Transfer & Forwarding of Calls. | Jul 2013  to  Mar 2016 | | * Served as Quality Analyst and looked after complete project related activities right from **Estimation**, **Test planning, Test Case writing and Onshore-Offshore communication.** * Coordinated with Functional Team Members & Business Analyst for identification of high-level test scenarios, test planning, test designing, test execution and test closure activities * Peer Review Test Scenarios and Test Cases prepared by Team Members * Test cases writing and uploading the same in the execution tool. * Performed **Functionality Testing, System, Ad hoc, Sanity Testing and Regression Testing.** * Preparing test reports daily and report it to the client. * as a scripting language and unittest as a framework. * Developed python scripts for new features and maintained existing scripts. * Performed Functionality Testing, System Testing, Smoke Testing, Integration Testing and Regression testing |
| **Technology**: Wireshark, SIPP | | | |

**ADDITIONAL ACTIVITIES**

* Reviewed a book as a Technical Reviewer “**The Data Analysis Workshop**” published by Packt Publishers
* Volunteer Machine Learning Codeathon at Accenture
* Delivered Training and Webinars on Data Science within Accenture

**CERTIFICATIONS**

* Certified Data Science Specialist with Edvancer Eduventures Pvt Ltd
* Participated and secured 4th position in Code Gladiators 2019

(Theme: Testing Hackathon using Machine Learning)