|  |
| --- |
|  |

|  |  |
| --- | --- |
|  | 🞂**Prakash Kumar Mishra**  **Specialist (AI/ML, DataScience)**  +91-9260932268  prakash.mishra8090@gmail.com |

|  |  |
| --- | --- |
|  | Executive Summary  A Passionate, Result-oriented, Hands-on, Information Technology professional with strong intent to build Machine-learning / Deep-learning solutions to solve problems for enterprises.  Total 7+ years of experience, 5 years of experience in Machine & Deep learning domain.  Currently focusing on developing robust NLP(Natural Language Processing) applications which includes requirements gathering from customer, designing the solution, building data preprocessing pipeline and model development & deployment.  Skills and Expertise  Python Statistical Modeling Data Preprocessing Machine Learning Natural Language Processing Information Retrieval Data Pipeline Product Development  Tools and Packages  RabbitMQ OpenShift Docker GIT MYSQL MongoDB Elastic NLTK Flask FastAPI Numpy Pandas Scikit-learn NLTK Spacy  Models Implemented  Logistic Regression Decision Tree Random Forest KNN Support Vector Machine Naïve Bayes K-means Clustering LSTM BERT Roberta Bagging Boosting Topic Modeling  Briefcase with solid fillWork Experience  **ML Engineer & Developer (Jan 2019 –Present)**  Robert Bosch Engineering and Business Solution Pvt Ltd (Bengaluru)   * **BAP.ai – Bosch Automation Platform for AI :** BAP.ai is a SAAS platform, which has chatbot, Incident Ticket Solution Recommendation, Email Automation & Knowledge Management. * Developer for BAP.km. it is an intelligent enterprise search service powered by machine learning. * Decreased end users time to build their own intelligent search applications & making intelligent search available to enterprise level. * Developed scalable data processing pipeline. * Working on cold start problem statement for information retrieval system. * Developer for small talk using sentiment analysis for BAP.cs (chat bot system)   **Model :** BERT, Vader **Domain** : NLP   * **Relevant Test Cases Retrieval :** This project was about developing a machine learning model which helps to retrieve the relevant test cases out of test pool, for software build testing. * Designed and developed the pipeline to build the required process. * Extensive data analysis to get the insight of data. * Used topic modeling to find out all possible topics lying inside the data. * Used syntactical model for candidate generation. * Used semantical model to reorder and get relevant test cases on priority.   **Model :** LDA, BM25, TF-IDF, Doc2vec, Universal Sentence Encoder **Domain :** NLP   * **Feedback Classification :** Bosch gmbh required a platform which could support them to identify the category of each user’s feedback coming for many domains. * Designed and developed end to end enterprise intelligent platform for feedback classification and monitoring. * Developed data pipeline for automatic feedback classification. * Developed on-premise Ensemble models for the classifications. * Scheduled model training weekly once to incorporate the latest feedback also.   **Model :** Logistic Regression, Random Forest, Multinomial Naïve bayes, Gaussian naïve bayes  **Domain :** NLP   * **ML Engineer & Developer (June 2018 – Dec 2018)**   Klaus IT Solutions Pvt LTD (Bengaluru)   * Worked with Robert Bosch as an external employee.   Briefcase with solid fill  **Automation Engineer (August 2014 – June 2018)**  BAS (Kanpur)   * **Scrap Prediction :** This project was about developing a machine learning model which helps to predict the Scrap ratio for a Batch during tool manufacturing. * Extensive exploratory data analysis to get the insight of data. * Build a classifier to predict whether the scrap ratio will be under 10% or more.   **Model** : Logistic regression, Random Forest, XGBoost  **Domain** : Classification   * PLC (Programmable Logic Controls) programming for SPMs (Special Purpose Machines). * Designed machines based upon PLC which further get used in tool / parts manufacturing, testing etc. * Panel designing using Solidworks software tool.   Education  RBEI – Kushal: AI certificate   * On line master program with focus on machine learning, deep learning, NLP. * Completed with distinction   B.Tech – ECE : (2010 – 2014)   * Chhatrapati Shahu ji Maharaj, Kanpur University, Kanpur   Certification & Accolade   * Achieved CERTIFICATE-A in NCC (National Cadet Core – 2005). * Organizing member of TECHMART, TechFest (C.S.J.M, Kanpur). |