BIKASH KUMAR

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OBJECTIVE

To Secure a position where I can efficiently contribute my skills and abilities to the growth of the organization and build my professional career.

EXPERIENCE

Institute for Development & Research in Banking Technology (IDRBT)   2021 - Present

Role: Research Associate

Project: **Developing Data Science Framework, Architecture and Methodology for Fraud Detection in ATM Transactions in Banks.**
Keywords : Bigdata, Pyspark, Machine Learning.

Project: **Real Time Twitter sentiment Analysis (NLP)**
Description: Performed Live streaming from Twitter API to collect the data. It also executes NLP-based tokenization, stemming, vectorization, and processed data in Machine understandable language and built machine learning algorithms for data analysis to determine the polarity of the given tweet.
Keywords : Big Data, Pyspark, NLP.

INTERNSHIP

GRIP At The Sparks Foundation

Role : Data Science and Analytics Intern

· Worked on supervised learning such as Regression and classification problems as well as used unsupervised learning techniques like K-Means clustering on respective datasets and did some exploratory data analysis.
Keywords : Anaconda, Python.

EDUCATION

University of Hyderabad   2018 - 2020
M.Tech in Computer Science   CGPA : 7.12/10

University College of Engineering and Technology, Vinobabhave University   2014 - 2018
B.Tech in Computer Science and Engineering   CGPA : 7.0/10

PROJECTS

Predicting Heart Disease Using Machine Learning Approaches

Developed a machine learning model with best sensitivity and specificity using various classification algorithms to get the chances of a person having a heart disease or not. Parameter tuning has been used which is used in classification algorithms. For model interpretability, various feature selection techniques have been used. Used Heroku cloud for deploy model.

Github: https://github.com/bikashk123/Predicting-heart-disease-using-ML
Keywords : Python, Scikit-learn, Heroku .
Tools: Jupyter Notebook, VSCode.

Covid Disease Detection Using CNN (Deep Learning)
Implemented a Conv2D Architecture and VGG19 for covid disease prediction based on their chest x-ray images. It is a multi-class classification problem, which consists of chest x-ray scans of covid, pneumonia, normal patient.
Github: https://github.com/bikashk123/covid-disease-classification
Keywords : Python, Tensorflow, Keras, Scikit-learn.
Tools: Jupyter Notebook.

Attendance Monitoring System using Facial Recognition
Project is created to handle the attendance of students with facial recognition and maintain the records in the database. For Image Classification used Conv2D architecture.
Keywords : HTML, CSS, PHP, Python, MySQL, Tensorflow, Keras, Deep Learning.
Tools: Jupyter Notebook, VSCode, XAMPP.

Calculate The Severity of an Airplane Accident Using Machine Learning (In Hackathon)
Developed a Machine Learning model to anticipate and classify the severity of an airplane accident based on past incidents. Classification techniques are used to identify severity of the accident and Decision Tree Classifier algorithm is used to implement the project.
Keywords : Python, Scikit-learn.
Tools: Jupyter Notebook.

Predict The Employee Attrition Rate in an Organizations (In Hackathon)
Developed a Machine Learning model to predict employee attrition rate. Regression techniques are used to predict the attrition rate and Lasso regression algorithm is used to implement the project.
Keywords : Python, Scikit-learn.
Tools: Jupyter Notebook.

TECHNICAL STRENGTHS

Data Science:	Pandas, Numpy, Pyspark, Machine Learning, Deep Learning
Language:	Python, C
Concept Skill:	Data Structure
Web Technology:	HTML, CSS, Django
DataBase:	My-SQL, MongoDB
Cloud Deployment:	Heroku
Software & Tools:	VSCode, Pycharm, Latex

EXTRA-CURRICULAR ACTIVITIES

Teaching Assistant at University of Hyderabad, India.
Participated in Hackathon in HackerEarth.

ACHIEVEMENTS

Qualified GATE-CS/IT Exam	*2019/2018*
Qualified Jharkhand Combined Entrance Competitive Exam	*2014*