MD SHAHIL ANSARI

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# Education

## Master’s in Computer Application Marwari College (8.88 CGPA) Ranchi, JH *2021 -2023*

**Bachelor’s in Computer Application** DSPMU **(8.51 CGPA)  Ranchi, JH 2018 - 2021**

# Technical Skills

**Languages and Tools :** Python, SQL (MySQL, PostgreSQL), PowerBI, Excel, Git, GitHub, Mlflow, NoSQL, Keras.

**Libraries & Frameworks :** NumPy, Pandas, Matplotlib, Seaborn, PySpark, SK-Learn, Bs4, Flask, Django, Fast API.

**Data Science & Machine Learning :** Data Collection, Data Preprocessing, Data Visualization, Data Warehousing, Linear

And Logistic regression, KNN, Decision Tree, Random forest, SVM and K Means

Neural Networks, NLP, ETL, LLMs, RestAPI.

**Mathematics for ML & DL :** Algebra, Statistics, Probability, Matrices

**Extra Tools :** Dockers, AWS, Django, CI/CD.

# Experience

**Data Science Trainer | Itvedant (**Mar 2024 - Now**)**

* Conduct offline classes, mock interviews, and practical sessions on data science while mentoring students pre-and post-placement to enhance their skills and employability.

**Freelance Python Developer/ Part Time (2020 – 2024)**

* **Data science Trainer**: Design Curriculum, Mentoring and taking online classes and Project Solution to increased growth and customer satisfaction. (FlipRobo, IIDST)
* Projects related to Web Scraping, Django, EDA, ETL, python, ML, and Data Science.

**Data Analyst |Fine Air Solutions (**Feb 2023 – July 2023**)**

* Work on CRM, data collection from different department and stored also enhancing data accuracy and security.
* Perform statistical and predictive Analysis in projects using excel and PowerBI to **minimize cost approx 8%.**

# Internship

**Data Scientist Intern | PW Skills - (**Oct 2023 - Feb 2024**)**

* Krishi Mitra –Website| Recommender, Prediction and Chatbot System
* Developed end-to-end **ML Project** using a Kaggle dataset and using LLMs create **Chatbot as Farming Expert**.

**Machine Learning Intern | Spotle ai - (**Jan-May 2022**)**

* **Customer Churn Prediction**: Leverage predictive modeling with **92% accuracy** to forecast customer attrition rates and recommend retention strategies, enhancing customer loyalty and reducing churn using PySpark l**.**

**Projects**

## Krishi Mitra –Website| Recommender, Prediction and Chatbot System [Demo]

* + Developed end-to-end **crop and fertilizer recommendation system** or **Plant Disease Prediction** using a Kaggle dataset **Chatbot as Farming Expert**.
  + Conducted extensive data preprocessing and feature engineering, Experiment with Different ML Models and Achieve **99% Accuracy** in Random Foresttechniques.
  + Leveraged **Deep learning for Image classification Problem using RESNET** model and got 99.2**%** Accuracy.
  + Use Google Gemini API and **integrate LLMs Chatbot** as a Farmer Expert.

## Student Performance Prediction |end-to-end ML Prediction system [[Demo]](https://bottom-natalina-zero1.koyeb.app/)

* + **Task Performed:** EDA, Visualization, Data Modeling, Documentation, Flask API, and Frontend, cloud hosting.
  + Experiment with different ML models find best model with **88.4% accuracy** And Predict Student math’s score.

# Achievements & Certifications

* + Get a Data Science Nanodegree - [Udacity](https://www.udacity.com/certificate/GSTDDSG)
  + Earned Google Advance Data Analytics – [Coursera, Google](https://coursera.org/share/5a536b941f871f1e3b30491bfe44aaa3)
  + Machine Learning and AI projects with python - [Udemy](https://www.udemy.com/certificate/UC-ae453b44-fd1b-428e-8e46-32d4bb2d2285/)
  + Earned a Badge of completion for the Open-Access Data Science Virtual Experience Program – BA [Forge](https://forage-uploads-prod.s3.amazonaws.com/completion-certificates/British%20Airways/NjynCWzGSaWXQCxSX_British%20Airways_RRmM9Exjc7HwdFqn8_1715161340766_completion_certificate.pdf)
  + Achieved a top 10% ranking in a Data Science hackathon hosted by **Spotle.ai.**
  + Python, Problem Solving, SQL - [Hacker Rank](https://www.hackerrank.com/profile/mohammadshahil4u)

**INTRESTS:** Travelling, Tech blogs, teaching.