

ANKIT JHA

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Experience

Tutort Academy

Pune, Maharashtra

Data Science Intern

Aug 2023 – Apr 2024

- Engineered a salary forecasting tool for student placements by analyzing over 80,000 records obtained from placement team ; leveraged statistical modeling and **SVM Regressor** to boost average offer rates by **25%** through a data-driven compensation strategy.
- Utilized Exploratory Data Analysis (EDA) and regression models to identify factors influencing starting salaries, and designed a user-friendly **Tableau** dashboard to visualize salary predictions and skill-based recommendations for students
- Worked on multiple POCs involving EDA and developing ML and DL models , based on different domains like Healthcare , Supply Chain , FMCG , Banking etc..

Wipro Limited

Pune, Maharashtra

Data Analyst

Jul 2022 – Aug 2023

- Devised machine learning-driven credit risk models using **XGBoost** that boosted loan approval precision to **82%**.
- Performed customer segmentation using **Uplift Modelling** to identify high-value customer segments for targeted marketing campaigns. This initiative led to a **10%** decrease in marketing budget.
- Constructed interactive Tableau dashboards showcasing vital performance metrics, enabling 20+ senior executives to enhance decision-making.

Senior API Developer

Aug 2019 – Jun 2022

- Managed a **10-person team** to design, develop, and secure APIs using IBM API Connect, improving regional (NAM, APAC, MX, EMEA) integration and user experience.
- Achieved a **15%** decrease in cloud dissociation issues and elevated user engagement by **25%** by implementing tailored Tableau dashboards for data-driven decision-making.
- Reduced downtime by **20%** through proactive troubleshooting and implemented robust authentication /authorization for data protection.

Technical Skills

Languages: Python, SQL, NoSQL (MongoDB)

Data Science :Feature Engineering, Machine Learning, Deep Learning, NLP, Git, GitHub, AWS Sagemaker, AWS S3

Visualization Tools : Tableau , Power BI , Advanced Excel

Technologies/Frameworks : TensorFlow, Scikit-Learn , Pandas , Numpy , PyTorch, Flask, GCP, NLTK, Streamlit

Education

Manipal Institute of Technology

Jun 2015 – May 2019

Bachelor of Technology in Electronics and Communication

Manipal , Karnataka

Projects

Emotion Detection using CNN | *Python, Tensorflow, Keras , ResNet50 , VGG16 , OpenCV , Gradio*

- Developed a CNN model using **VGG16** and **ResNet50** for emotion classification on the FER-2013 dataset, addressing **class imbalance through augmentation**.
- Deployed the model with Gradio and OpenCV for real-time emotion detection, achieving **66% accuracy**.

Salary Prediction Model | *Python, Sklearn , Regression Models , Tableau , Machine Learning*

- Built a salary prediction model using regression techniques on data from **80,000 students**, conducting EDA to enhance compensation strategies.
- Achieved **73%** prediction accuracy and created a Tableau dashboard for personalized salary recommendations.

Type 1 Diabetes Prediction | *Python , Machine Learning ,SQL*

- Developed a predictive model for assessing Type-1 Diabetes risk using **Logistic Regression** and other algorithms.
- Addressed data imbalance with **SMOTE**, achieving **80% accuracy**, and performed EDA to uncover critical insights.

Dashboard for Supply Chain Company | *Power BI , DAX Studio , SQL*

- Created a Power BI dashboard integrating over 1 million records from Excel/CSV and SQL, ensuring seamless ETL processes.
- Optimized data with **DAX Studio**, boosting performance by **5%** and reducing **file size by 30%**, while designing views for various business functions.