

Professional Summary

- Dedicated Data Scientist with a strong background in developing and implementing AI and machine learning models. Proven track record in data analysis, pattern recognition, and improving business processes. Expertise in enhancing algorithm efficiency and transforming raw data into actionable insights. Highly skilled in Python, machine learning algorithms, and data visualization tools. Effective collaborator with a knack for creative problem-solving and delivering results in team environments.
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Skills

- ❖ **Programming Languages:** Python, Java, C
 - ❖ **Microservices & Containers:** Docker
 - ❖ **Big Data Engineering:** Kafka, PySpark
 - ❖ **Generative AI:** Large Language Models (LLM)
 - ❖ **Data Visualization:** Tableau, Excel, Matplotlib, Seaborn, Power BI
 - ❖ **Web Frameworks:** Flask, Streamlit
 - ❖ **Web Development:** HTML, CSS, JavaScript, Bootstrap
 - ❖ **JavaScript Libraries & Frameworks:** Node.js, React.js
 - ❖ **Java Framework:** SpringBoot
 - ❖ **GUI Development:** Swing
 - ❖ **Other Technologies:** Microservices Architecture
 - ❖ **Tools:**
 - **Version Control:** Git
 - **IDEs:** Anaconda, Jupyter Notebook/Colab, VS Code, IntelliJ IDEA
 - **Databases:** MySQL, PostgreSQL, Toad, MongoDB Atlas
 - ❖ **Machine Learning & Deep Learning:**
 - **Libraries:** NumPy, Pandas, Scikit-learn, NLTK, TensorFlow, PyTorch
 - **Techniques:** Data Exploration & Analysis, Data Modeling, Statistics and Probability, Linear Regression, Gradient Descent, Logistic Regression, Regularization, SVM, KNN, Decision Trees, Random Forest, Ensemble Techniques, Bagging & Boosting, Cross-Validation, Cluster Analysis, Hyperparameter Tuning, Experiment Tracking, and Model Management using MLflow, MLOps
 - **NLP Techniques:** Tokenization, Bag of Words, Stemming, Lemmatization, POS Tagging, TF-IDF, BERT, Word2Vec, GloVe
 - **Deep Learning:** Neural Network Architectures (CNN, RNN, LSTM), Computer Vision (Image Classification, Object Detection, Image Segmentation), NLP Tasks (Sentiment Analysis, Text Classification, Language Modeling, Generative Adversarial Networks), Optimization Techniques (Gradient Descent)
 - ❖ **Soft Skills:**
 - Problem Solving
 - Team Collaboration
 - Communication
 - Time Management
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Education

Master of Science (MSC) in Data Science –Chandigarh University, India. **2022 June - 2024 June**

Academic Projects & Papers:

- **Academic Papers**
- Big Data Engineering and Gen AI Project(Kafka,PySpark via Zeppelin using Docker)
 - GitHub Repository Sentiment Analysis | GitHub Repository for Fraud Detection using BIG data
- Image Captioning with OCR and GenAI
- EDA with Data Bricks
- Microservices with spring boot

Bachelor of Technology (B. Tech) in Electronics and Communications –JNTU, India. **2002 - 2006**

Professional Experience

- **Employer: AI Intern, Mentorness**

Feb 2024 - mar 2024

Developed a dynamic ATS Resume Expert application using Gemini-pro-vision during my internship with Mentorness. Utilizing OpenAI's Generative AI capabilities, it analyzes PDF resumes against job descriptions, offering evaluations on alignment, missing keywords, and candidate suitability. This Streamlit app showcases a versatile portfolio template integrating features like resume parsing, an AI chatbot powered by OpenAI, and interactive elements for comprehensive personal branding, demonstrating proficiency in leveraging diverse technologies for impactful web experiences.

- And implemented ML algorithms for Gold price Prediction
- Github link: Projects

Employer: Bharat Intern -Data Science Intern

Jan 2024-Feb 2024

- Implemented an SMS spam/ham classifier leveraging machine learning techniques to accurately classify text messages. Additionally, developed a Titanic data classification model to predict survival outcomes using passenger data.
- Github link: Spam Detector&CatvsDog

Employer: Innomatics Research LABS

Jan 2022-Dec 2022

- Demonstrated proficiency in Python problem-solving on HackerRank, application development using FLASK and Streamlit, along with expertise in statistics, ML algorithms with hyperparameter tuning, and advanced techniques such as BERT vectorization. Additionally, showcased competence in experiment tracking, model management with MLflow, workflow orchestration with Prefect, NLP, and cloud deployment on platforms like Heroku and GitHub.
- received a Letter of Recommendation for my performance.
- Sample projects: Quora Duplicate Question Detector | Internship Assignments | MLOPS | MLFlow

Employer: Cognifyz technologies-ML intern

Jan 2024-Feb 2024

- Implemented ML algorithm for Income prediction and Gold price Prediction.
- Github link: Time series Analysis | Income Prediction

Employer: Internshala Trainings-Student Intern

Jan 2023 - Dec 2023

- NLP Projects: Auto correct project(Spelling corrector) | Next Word Generator
- Tableau Project: Bikehaven project
- Sql Project : IPL Data Analysis using SQL(Postgresql) and Data visualization using Excel.Demo
- Data Visualization with Advanced Excel

Analysis of Fitbit fitness tracker data to deliver marketing and business solutions to WeFit and its subsidiaries

Employer: Tata Consultancy Services | India | Systems Engineer

2008 Jan - 2014 March

Tools: TOAD 7.6.0.11, PL/SQL Developer, Forms 61, Reports 6i
