

# TEJAS BHUSARI

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## SUMMARY

Data Science graduate with proven expertise in end-to-end ML pipeline development, from data preprocessing to model deployment. Demonstrated ability to deliver measurable business impact through automated reporting systems and predictive analytics. Experienced in collaborating with cross-functional teams to translate complex data insights into actionable business strategies. Seeking to leverage strong technical skills and problem-solving abilities in a data scientist role.

## PROFESSIONAL EXPERIENCE

### Data Science Intern, Bosch

01/2025 – 06/2025  
Nashik, Maharashtra

- Developed robust ETL pipeline in Python processing 10GB+ daily machine sensor data with 99.5% accuracy
- Designed and deployed 5 interactive Power BI dashboards monitoring supply-chain KPIs, reducing operational delays by 27%
- Automated weekly KPI reporting system using Python and Excel, eliminating 15 hours of manual work (60% time savings)
- Generated 50+ SQL-based ad-hoc reports for stakeholders, improving data access efficiency by 70%
- Collaborated with production teams to identify data quality issues and implement validation checks

### AI Trainer (Remote), Outlier AI

08/2024 – 12/2024

- Completed data annotation and evaluation tasks for language model training projects
- Reviewed and assessed AI-generated responses for quality and accuracy using platform guidelines
- Participated in prompt-response evaluation tasks to support model improvement initiatives
- Gained hands-on experience with AI training workflows and annotation tools

## SKILLS

- Programming & ML Frameworks: Python, SQL, Scikit-learn, TensorFlow, PyTorch, Transformers, Hugging Face, LangChain
- Data Analysis & Machine Learning: Pandas, NumPy, NLP, Computer Vision (OpenCV), Deep Learning
- Statistical Analysis: Descriptive statistics, hypothesis testing, A/B testing, Regression Analysis
- Visualization: Power BI, Tableau, Plotly, Matplotlib, Seaborn
- Others: Data Analysis, Data Wrangling, Exploratory Data Analysis (EDA), Cross-functional Collaboration, Problem Solving

## PROJECTS

### Conversational AI Chatbot using Hugging Face + LangChain

- Built a chatbot using LangChain framework integrated with Hugging Face's free API
- Implemented basic conversation flow using pre-trained language models from Hugging Face Hub
- Deployed locally using Flask with a clean web interface for real-time chat interactions
- Gained hands-on experience with AI API integration and chatbot development fundamentals

**Tech Stack:** Python, Flask, LangChain, Hugging Face API, HTML/CSS

### Manufacturing KPI Reporting Automation

- Automated processing of 5,000+ .dat files every 30 minutes from production machines for real-time monitoring
- Built interactive dashboards using Plotly to visualize critical parameters (erosion rate, pressure, cycle time)
- Enabled production supervisors to quickly identify parameter deviations and make real-time adjustments to maintain steady production
- Streamlined the monitoring process allowing for immediate response to production anomalies

**Tech Stack:** Python, Django, Pandas, Plotly, Excel

### NYC Taxi Fare Prediction (ML Pipeline)

- Built end-to-end ML pipeline using 5M+ NYC taxi trip records for fare prediction
- Engineered 10+ features including distance calculations, time-based patterns, and location clustering
- Implemented ensemble methods (Random Forest, XGBoost) achieving MAE < 2.8 and R<sup>2</sup> = 0.87
- Deployed model using Flask API with real-time prediction capabilities

**Tech Stack:** Python, Scikit-learn, XGBoost, Pandas, NumPy, Flask

## EDUCATION

**B.Tech in Data Science, G.H. Rasoni College of Engineering & Management**  
CGPA: 9.2/10

08/2021 – 06/2025  
Nagpur, Maharashtra

## CERTIFICATES

Google Advanced Data Analytics [🔗](#), Machine Learning A-Z [🔗](#), Python Data Structures & Algorithms (NPTEL, IIT Madras) [🔗](#)

## ACHIEVEMENTS

### Grand Finalist, Smart India Hackathon 2023, Ministry of Education (Govt. of India) [🔗](#)

- Led 6-member team developing AI-powered educational solution
- Presented to industry experts and government officials