Mohammed Khasif

+91-8618679427 mohammed.khasif11@gmail.com
linkedin.com/in/mohammedkhasif github.com/Mohammedkhasif

Education

Vellore Institute of Technology, Bhopal, India
Integrated M.Tech in Artificial Intelligence *Aug 2021 – Aug 2026*
CGPA: 8.2
Bellary Independent PU College, Bellary, India *June 2019 – May 2021*

Technical Skills

Languages: Java, Python, R, SQL, HTML/CSS
Databases: MySQL, ChromaDB
AI/ML Frameworks: TensorFlow, PyTorch, OpenCV, GANs, LangChain, ANN, NLP, Deep Learning
Tools and Framework: Power BI, Pandas, NumPy, Flask, GitHub, Linux.

Experience

AI & Data Analytics Intern — Skills4Future.in (Remote) *Nov 2024 – Jan 2025*

- Built a predictive model using Linear Regression to forecast solar power output, achieving 97% accuracy.
- Boosted model performance by 15% through EDA, outlier detection, and feature normalization.
- Compared baseline vs ensemble models (Random Forest, Gradient Boosting), targeting 99% precision.
- Tuned hyperparameters using cross-validation and visualized insights with Seaborn and Plotly.

Projects

Credit Card Fraud Detection System *Nov 2024 – Dec 2024*

- Built an ensemble model (Logistic Regression, Random Forest, SVM) on imbalanced data, achieved 99.2% ROC AUC and 93.5% recall.
- Used SMOTE and feature engineering to boost F1-score to 0.92 and reduce false negatives by 35%.
- Reduced latency to 0.8ms/transaction through grid search tuning and model optimization.

Public Transport Dashboard — Power BI + SQL *Feb 2025 – Mar 2025*

- Analyzed over 1M transit records using PostgreSQL and SQL window functions to identify patterns in delay and route efficiency.
- Designed interactive Power BI dashboards with DAX KPIs and alerts for underperforming routes.
- Enabled city planners to monitor KPIs and make data-driven interventions using real-time reports.

AI-Powered Mental Health Risk Detector *Mar 2025 – Apr 2025*

- Fine-tuned BERT with 10K+ Reddit mental health posts; achieved 91% F1-score for depression/anxiety detection.
- Applied SHAP for explainability to enhance transparency and trust in mental health classification.
- Built a real-time Streamlit dashboard with anonymized inputs and prediction latency under 1.2s.

Certifications

- Applied Machine Learning — University of Michigan (Coursera)
- Data Analytics – Udemy
- Machine Learning - Udemy
- AWS Cloud Practitioner — Intellipaat

Additional Information

- Solved 300+ coding problems on LeetCode and GeeksforGeeks.
- Languages Known: English, Hindi, Kannada, Telugu, Tamil.