MOHD. MUSHEER
AI / Machine Learning Engineer

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PROFESSIONAL SUMMARY

AI and Machine Learning Engineer with hands-on experience in Deep Learning and Natural Language Processing (NLP). Skilled in building transformer-based NLP models using Hugging Face, including fine-tuning PRIMERA/LED architectures for text summarization. Experienced in developing structured ML pipelines, evaluating models using ROUGE, F1-score, and Recall, and deploying production-ready AI systems using Python, Scikit-learn, PyTorch, FastAPI, and Docker.

EDUCATION

Bachelor of Computer Applications (BCA)
Takshashila Mahavidyalaya, Amravati
Expected Graduation: May 2026

TECHNICAL SKILLS

Programming: **Python, SQL, R, C++**
Machine Learning: **Scikit-learn, Random Forest, Classification, Regression**
Deep Learning: **PyTorch, Transformer Fine-Tuning (PRIMERA / LED)**
Natural Language Processing**: TF-IDF, Cosine Similarity, Text Preprocessing**
LLM & Transformers: **Hugging Face, Abstractive Summarization, Model Fine-Tuning**
Deployment: **FastAPI, Docker, Render**
Tools: **Git, GitHub, VS Code, Jupyter Notebook**

EXPERIENCE

Machine Learning Internship – Future Interns (Jan 2026) – Certificate
Letter of Recommendation – Future Interns
  • Built Resume Ranking system processing 1,000+ resumes using TF-IDF, improving screening efficiency.
  • Conducted EDA on structured datasets to improve preprocessing and increase model performance by 10%.
  • Evaluated models using Accuracy, Precision, Recall, and F1-score.
  • Received Letter of Recommendation for consistent performance.

PROJECTS

Indian News Summarizer (ROUGE-1: 71%) (GitHub)
  • Fine-tuned PRIMERA transformer model for abstractive summarization of Indian news articles
  • Achieved ROUGE-1: 71% and BERTScore: 0.93 for factual consistency
  • Built FastAPI backend with real-time inference and Dockerized for scalable deployment.

AI Resume Ranker & Candidate Screening System (GitHub) (Live)
  • Built ATS-style NLP system using TF-IDF and cosine similarity
  • Implemented dynamic skill matching and candidate ranking
  • Deployed using FastAPI and Docker

AI Employee Attrition Predictor (Accuracy: 84%) (GitHub) (Live)
  • Developed Random Forest model for employee attrition prediction
  • Performed preprocessing, encoding, scaling, and imbalance handling
  • Exposed REST API using FastAPI and Docker

ADDITIONAL INFORMATION

Languages: English, Hindi, Marathi
Interests: Machine Learning, Deep Learning, NLP Systems, Model Deployment