Ishitiv Mangla

✉ ishitivmangla@gmail.com 📞 7015743950 📍 Yamunanagar, Haryana, India 🔗 linkedin.com/in/ishitivmangla

🔗 github.com/IshitivMangla

Profile

BCA student (2026) with hands-on experience in machine learning, full-stack development, and software deployment using Python, FastAPI, and Docker. Solved 150+ DSA problems and built scalable ML applications, demonstrating strong problem-solving, system design, and collaboration skills

Experience

Xplore (in collaboration with Maharishi Markandeshwar University)   07/2025 – Present
AI/ML Intern
- Currently interning under the Xplore program focused on practical AI/ML applications.
- Designed and developed a stock price prediction model using LSTM networks in Python and TensorFlow.
- Collected and analyzed historical stock data using yfinance, pandas, and NumPy.
- Tuned model parameters to improve prediction accuracy and visualized trends using matplotlib.
- Project completed under university mentorship as part of the internship program.

Pregrad   06/2024 – 08/2024
Trainee
- Completed hands-on training in machine learning fundamentals and real-world applications under industry mentorship.
- Built ML models using Python, scikit-learn, and TensorFlow for supervised and unsupervised learning tasks.
- Worked on mini-projects involving data preprocessing, model evaluation, and performance tuning.
- Gained exposure to model deployment, version control, and basic MLOps practices.

Education

Maharishi Markandeshwar University   08/2023 – 05/2026
Bachelor of Computer Applications (Computer Science)   Mullana, Ambala
CGPA: 8.4/10

Skills

Programming: Python, Java, SQL, C++, HTML, CSS, JavaScript
Tools: Git, Jupyter, MySQL, Linux CLI
Core Areas: Data Structures & Algorithms, Object Oriented Programming, Machine Learning, NLP, System Design, Networking Basics (TCP/IP)
Frameworks: FastApi, TensorFlow, Scikit-learn, NLTK, Django

Projects

Insurance Cost Prediction Web App (ML + Dockerized Deployment)   03/2025 – 05/2025
Python, Scikit-learn, FastAPI, Streamlit, Docker
- Trained a regression model on over 10,000 records, achieving an R2 score of 0.87 and MAE of approximately 1,200 for predicting insurance charges
- Built a low-latency FastAPI backend (response time under 300ms) and integrated it with a Streamlit frontend for real-time predictions
- Dockerized the complete application to ensure smooth deployment and platform compatibility
- Applied skills in machine learning, API development, frontend integration, and DevOps practices using Docker

Email Spam Detection System (NLP + Machine Learning)   08/2024 – 10/2024
Python, Scikit-learn, NLTK, Pandas, Matplotlib
- Developed a text classification model using a dataset of 5,500+ emails to detect spam messages
- Preprocessed data using tokenization, stemming, and TF-IDF; trained models including Naive Bayes and Logistic Regression
- Achieved 98.7 percent accuracy and demonstrated skills in NLP, model selection, and evaluation

Key Achievements

Solved 150+ Data Structures and Algorithms problems on LeetCode
strengthening problem-solving skills and algorithmic thinking

AI Agent Hackathon Participant
Collaborated in a 48-hour hackathon to build intelligent agents for real-time decision-making tasks; gained experience in prompt engineering and multi-agent systems.