

GAURAV PAWAR

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OBJECTIVE

Passionate Data Scientist and Machine Learning Enthusiast. Proficient in Machine Learning, Deep Learning, SQL, Python, Data Visualization, and ETL processes. Adept at deriving actionable insights from complex datasets and presenting findings to stakeholders.

EDUCATION

BTech in Computer Science Engineering,
Nutan College of Engineering and Research CGPA-8.22

Graduate 2024

SKILLS

Languages	Python, C/C++, SQL.
Machine Learning	Scikit-learn, TensorFlow, Keras, NLP, RAG, LLM.
Supervised Techniques	Bagging and Boosting Techniques, XGBoost, Decision Trees, Logistic Regression
Unsupervised Techniques	Clustering using KMeans/Hierarchical/Density Based.
Deep Learning	ANN, CNN, RNN, LSTM
Tools	Git, Jupyter, Streamlit, Docker.

INTERNSHIP EXPERIENCE

AI & ML Research Intern

Mar 2022 - Jun 2022

Defence Research and Development Organisation(DRDO)

Pune, MH

- Deployed machine learning models (SVM) for Intrusion Detection System (IDS), to decrease the associated false positives by approximately 25%
- Improved missile detection accuracy by 18% using deep learning models (CNN) over traditional methodologies.
- Built a chat application for DRDO using XAMPP and web technologies, enabling secure communication among DRDO personnel.

Machine Learning Engineer

Mar 2023 - Apr 2023

Muks Robotics-The AI Robotics Company

Pune, MH

- Designed a speech-to-text converter for AI Muks OS, achieving a 24% improvement in conversion time, and a 20% increase in accuracy.
- Conducted a study on AI/ML in healthcare and finance, finding ways to save costs and improve operations. Worked well with teams and shared insights with stakeholders.

PROJECTS

Toxic BERT. Fine-tuned a BERT model for toxic comment classification, achieving 93.5% accuracy. Integrated the model with Streamlit and containerized the application using Docker. Deployed the container on AWS Fargate ([Try it here](#))

Customer Churn Prediction. Built a customer churn prediction model using XGBoost, achieving 80.86% accuracy on a public Telecom dataset. Optimized hyper-parameters with Grid-SearchCV, reducing customer attrition by 25%. Analyzed 7000+ customer records to improve customer satisfaction by 15% and enhance customer experience. Created real-time dashboards and visualizations using PowerBI for customer churn analysis. ([click here](#))

AI Mental Health Chatbot Developed an AI mental health chatbot using llama2. Fine-tuned a LLAMA 2 model for mental health chat counseling.