

## Shadab

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GitHub: [github.com/mdshadab202](https://github.com/mdshadab202) [http://mdshadab202.github.io/shadab\\_portfolio/](http://mdshadab202.github.io/shadab_portfolio/)

### Experience

#### Tamar Software

Dec 2024 - Present

*AI Intern*

- Developed and deployed machine learning models for predictive analytics.
- Conducted data preprocessing, cleaning, and feature engineering.
- Tuned hyperparameters and tested deep learning architectures.
- Worked on NLP tasks like text classification, NER, and semantic analysis.

### Technical Skills

**Languages:** Python | Scikit-learn, Pandas, NumPy, Matplotlib

**ML/DL:** TensorFlow, Keras, RNN, LSTM, GRU, Transformers,

**NLP:** Text classification, Named Entity Recognition,

**DevOps:** Git, Model Deployment (Flask/Streamlit)

### Projects

**Next Word Prediction Model** | *Python, NLP, Pandas, TensorFlow, Keras, LSTM, Tokenizer, HTML*

- Developed a deep learning-powered model for next-word prediction to enhance contextual language generation.
- Built an LSTM-based architecture using Keras with Embedding, LSTM, and Dense layers to learn sequence patterns and generate accurate word suggestions.

**SmartCV matcher** | *FastAPI, PyMuPDF, Regex, Python, HTML/CSS (for web display)*

- Built an AI-driven resume matching system using FastAPI, Python, and NLP for automated candidate-job alignment.
- Extracted and matched skills, education, and experience from resumes against job descriptions using custom keyword logic.

**Insurance Premium Prediction System** | *Python, Scikit-learn, Pandas, NumPy, Matplotlib, Flask*

- Conducted comprehensive data cleansing, preprocessing, and exploratory data analysis (EDA) on an insurance dataset to uncover key patterns and insights.
- Trained and optimized a set of regression models, including Random Forest, Extra Trees, and Gradient Boosting, to predict essential metrics and maximize performance and Deployed it on the AWS Elastic Beanstalk.

**Smart Dustbin System (Innovative):** Created an automated, multi-layer waste segregation system using ESP32, cameras, and AI for smart recycling.

### Education

MS University

*MBA – Artificial Intelligence & Machine Learning*

CCS University

*Bachelor of Science in Mathematics*

June 2023 -Present

*Saharanpur, UP*

Jun 2018 – Jun 2021

*Meerut, UP*

