

RIJJIT DUTTA

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OBJECTIVE

Analytical and results-driven AI/ML Engineer with a solid foundation in machine learning, data science, and Python-based development. Proficient in designing, training, and deploying models for predictive analytics, natural language processing, and computer vision. Seeking to apply data-driven problem-solving and engineering expertise to build intelligent and scalable AI systems that deliver real-world impact.

EDUCATION

Bachelor of Engineering in Electronics and Communication Engineering,
University Institute of Technology, Burdwan University 2021 – 2025
CGPA: 7.9 / 10.0

Higher Secondary Education (WBCHSE), Purulia Zilla School 2020
Score: 91.2%

Secondary Education (WBBSE), Purulia Zilla School 2018
Score: 93.8%

SKILLS

Programming Languages: Python, SQL, JavaScript

Machine Learning: Supervised & Unsupervised Learning, Regression, Classification, Clustering, Feature Engineering

Deep Learning: Neural Networks, LSTM, Computer Vision

Libraries & Frameworks: TensorFlow, PyTorch, Scikit-learn, NumPy, Pandas, NLTK, Matplotlib, Seaborn

Data Engineering: Data Cleaning, Pre-processing, API Integration, SQL Queries

Cloud & Deployment: AWS, Google Colab, Flask, Streamlit, Docker (Basics), GitHub Actions

Tools: Jupyter Notebook, Power BI, Git, Postman, Microsoft Excel

Soft Skills: Problem Solving, Analytical Thinking, Collaboration, Time Management, Adaptability

EXPERIENCE

Data Analyst Intern Feb 2025 – Mar 2025
Elevate Labs *Remote*

- Conducted data preprocessing and feature extraction using Python for user behavior analysis.
- Designed interactive Power BI dashboards to monitor engagement and operational KPIs.
- Implemented regression and classification models to predict usage trends with 85% accuracy.
- Collaborated with data teams to ensure reliability and validation of model outputs.

Web Developer Intern Apr 2024 – Jul 2024
Cognifyz Technologies *Remote*

- Built and maintained web interfaces using Django and JavaScript for client projects.
- Integrated REST APIs and backend logic to support machine learning-driven components.
- Enhanced UI performance and accessibility through optimized design patterns.

PROJECTS

Resume Screening Tool (AI-Driven) – Django, NLP, Python, Scikit-learn

- Created an AI-powered resume ranking application using NLP for skill extraction and similarity scoring.

- Applied TF-IDF vectorization and cosine similarity to automate resume-job matching.
- Deployed a Django-based web interface enabling HR teams to filter top candidates efficiently.
- Reduced manual screening time by 60% through automated data parsing and ranking.

Stock Price Forecasting – Python, ARIMA, LSTM, TensorFlow

- Designed an LSTM-based neural network to forecast stock prices using time series data.
- Conducted data normalization, windowing, and model tuning to minimize RMSE.
- Visualized predictions using Matplotlib and compared model performance with ARIMA.
- Delivered accurate forecasts with 92% trend correlation on test data.

Movie Recommendation System – Python, Streamlit, TMDB API

- Built a recommendation engine using cosine similarity and collaborative filtering.
- Linked TMDB API to provide dynamic movie posters, ratings, and overviews.
- Developed a Streamlit interface for personalized user recommendations.
- Evaluated precision and recall to ensure high-quality recommendation results.

CERTIFICATIONS

OCI Generative AI - Oracle

AWS Cloud Practitioner Essentials – AWS Skill Builder

Data Analysis Virtual Job Simulation – Deloitte

ADDITIONAL INFORMATION

Proficient in end-to-end machine learning workflows, from data preparation to model deployment.

Experienced with computer vision, NLP, and predictive modeling for real-world applications.

Strong understanding of AI algorithms, MLOps concepts, and scalable data-driven systems.

Knowledge of UI/UX design principles using Figma for interactive data visualization interfaces.

Open to AI Engineer, ML Engineer, and Data Science roles in dynamic and innovative environments.