

Mohamed Khaja Eshaq

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LinkedIn | GitHub | Portfolio | LeetCode

Summary

Aspiring AI/ML Engineer and Data Analyst with hands-on experience building predictive models, neural networks, and computer vision systems using Machine Learning, Deep Learning, Data Analysis, Python, Pandas, NumPy, and Scikit-Learn. Experienced in developing supervised, ensemble, and deep learning models – including Logistic Regression, Decision Trees, Random Forests, Gradient Boosting, and CNN-based architectures (MobileNetV2) – and applying model optimization techniques such as hyperparameter tuning and cross-validation to improve predictive accuracy. Skilled in EDA, data preprocessing, feature engineering, NLP-based text classification, and deploying ML applications with Streamlit. Completed internships in Data Analytics and Full Stack Web Development; solved 200+ LeetCode problems.

Technical Skills

Languages: Python, SQL, C++, JavaScript **Machine Learning:** Scikit-Learn, Predictive Modeling, Logistic Regression, Decision Trees, Random Forests, Bagging, Boosting, Naive Bayes, KNN, Ensemble Learning, Model Optimization

Deep Learning & Computer Vision: TensorFlow, Neural Networks, CNN, MobileNetV2, OpenCV, Computer Vision

Data Analysis & NLP: Pandas, NumPy, Matplotlib, Seaborn, EDA, Feature Engineering, TF-IDF, Text Classification, Statistical Analysis

AI & Deployment: Generative AI, Agentic AI, Prompt Engineering, Streamlit **Databases & Tools:** SQL, DBMS, Git, GitHub, Vercel, Render **Web Development:** HTML, CSS, JavaScript, React

Experience

Thiranex

Data Analyst Intern

REMOTE

[APRIL 2026] – [MAY 2026]

- Analyzed and preprocessed 5,000+ record datasets using Python, Pandas, and NumPy, improving data quality and boosting downstream model performance.
- Performed exploratory data analysis to uncover patterns and trends; built visualizations using Matplotlib and Seaborn to communicate insights that informed data-driven decisions.

Apna College Prime

Machine Learning Trainee

Remote

[SEPTEMBER 2024] – [PRESENT]

- Implemented and evaluated predictive models – including Logistic Regression, Decision Trees, Random Forests, Bagging, and Boosting – on real-world datasets using Scikit-Learn.
- Applied feature engineering, hyperparameter tuning, and cross-validation to optimize model performance, improving classification accuracy by up to [XX]% over baseline.

Future Interns

Full Stack Web Development Intern

Remote

[APRIL 2026] – [APRIL 2026]

- Engineered responsive web applications using HTML, CSS, and JavaScript, following modern front-end development practices.
- Collaborated with cross-functional team members on UI/UX improvements; completed the internship with a Letter of Recommendation.

Projects

Face Mask Detection System

Python, TensorFlow, MobileNetV2, OpenCV, Streamlit, NumPy

- Engineered a deep learning-based face mask detection system using MobileNetV2, TensorFlow, and OpenCV, achieving 98% classification accuracy across 7,500+ images; deployed an interactive Streamlit web application supporting real-time webcam and image-upload predictions.

SMS Spam Detection System

Python, NLP, Logistic Regression, TF-IDF, Scikit-Learn

- Designed and implemented an NLP-based predictive model for SMS spam classification using Logistic Regression and TF-IDF vectorization, achieving [XX]% accuracy and reducing false positives by [XX]% across a labeled dataset of [X,XXX]+ messages.

Fake News Detection System

Python, Naive Bayes, NLP, Agentic AI, Scikit-Learn

- Built an Agentic AI-powered fake news classifier combining Naive Bayes with automated credibility evaluation and NLP-based feature extraction, achieving [XX]% classification accuracy on a dataset of [X,XXX]+ news articles.

Credit-Wise Loan Prediction System

Python, Logistic Regression, KNN, Naive Bayes

- Developed a predictive model for loan eligibility by benchmarking Logistic Regression, KNN, and Naive Bayes classifiers with feature engineering and cross-validation, achieving [XX]% prediction accuracy across [X,XXX]+ applicant records.

Education

Vignan's Institute of Information Technology (VIIT)

B.Tech, Computer Science and Engineering | Visakhapatnam, India | CGPA: 9.41

Aug 2024 – May 2028

Aakash Institute – Intermediate (MPC)

Jun 2022 – Apr 2024

Leadership & Achievements

- Selected as **Student Innovation Ambassador** under the Ministry of Education's Innovation Cell (MIC), Government of India; completed Foundation and Advanced Innovation Ambassador Training.
- Solved **200+ LeetCode problems** with a **221-day** coding streak.
- Winner** – AI-Powered Creative Submission, Prompt War Competition.
- Participated in **GDG DevFest**, **DEV FEST Hackathon**, and **Innoyudh National Hackathon**; completed **Wadhvani Foundation** Entrepreneurship & Innovation Programs.