

Md Zeeshan Ahmed

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SUMMARY

AI Engineer with a strong background in Artificial Intelligence, Machine learning, Deep learning, Generative AI and Data Analysis to solve complex challenges. Skilled in developing and optimizing predictive models for NLP and computer vision applications. Proven ability to derive actionable insights through data-driven strategies, enhancing model performance. Adept at managing end-to-end projects, consistently delivering impactful results and improvements. Experienced in deploying advanced algorithms for diverse industries.

EXPERIENCE

Data Science Intern - Oasis InfoByte - October 2024 - November 2024, New Delhi

- Analysed large datasets developing predictive models that improved forecasting accuracy, and presented findings in comprehensive reports to senior management.
- Implemented Fraud Detection reducing false positive by 25% Enhanced user.
- Used Python programming language for data manipulation and statistical modelling tasks.
- Utilized libraries such as NumPy, Pandas, Matplotlib and Seaborn for data wrangling and visualization purposes.

PROJECTS

Web Research Agent – January 2025 - May 2025

https://github.com/zeeshandev2512/Web_Agent.git

- A functionable web research agent that can automatically search the web, find relevant information, extract data from websites, and compile comprehensive research reports based on user queries.
- **Workflow** - Web Search, Web Scraping, Content Analysis, News Aggregation, Report Generation, Streamlit Interface

Object Detection in Image – Jamia Hamdard University • July 2024 - November 2024

<https://github.com/zeeshandev2512/Object-Detection-in-Image.git>

- Developed a R-CNN Model: Designed, implemented a based CNN using TensorFlow, achieving accurate object detection in images from the Pascal VOC 2012 dataset.
- Project is based on Machine Learning ,Deep learning, AI. Used pascal voc 2012 Dataset , perform model training on only 500 files to execute faster training process.
- Successfully built faster R-CNN model to detect object in image.

Email Spam Detection – Jamia Hamdard University • August 2023 - December 2023

github.com/zeeshandev2512/EMAIL-SPAM-DETECTION-WITH-MACHINE-LEARNING.git

- **Developed an Email Spam Detection System** using machine learning tools like Decision Tree, SVM, Linear Regression, and Naive Bayes to classify and filter spam emails with high accuracy.
- **Preprocessed textual data** using techniques like tokenization, TF-IDF vectorization, and handled imbalanced datasets to optimize model performance.
- **Evaluated model performance** with precision, recall, and F1-score metrics, achieving improved accuracy and real-time application readiness for spam filtering.

EDUCATION

Bachelor of Technology in Computer Science and Engineering | Jamia Hamdard | New Delhi | 2024

Higher Secondary | Science | Sacred Heart Day School | Kolkata | 2019

CERTIFICATIONS

Certificate for successful completion internship in Data Science at OASIS INFOBYTE.

OASIS INFOBYTE • 2024

Certificate for successful completion of Data Analytics with Python

Indian Institute of Technology Roorkee | 2024

SKILLS

Programing language - Python (Data Analysis, Machine Learning, Deep Learning, Generative AI, LLMs)

Data Manipulation - pandas, NumPy (data wrangling, analysis, prediction, detection)

Machine Learning & Deep Learning - Scikit-learn, PyTorch, TensorFlow, Keras, CNNs

NLP: BERT, NLTK, spaCy - (text classification, summarization, token classification)

Computer Vision - CNNs, PCA (image classification, object detection)

Data Visualization - Matplotlib, Seaborn (insightful data visualization)

Advanced Tool & Agentic AI Framework - OpenAI API, Langchain (text generation, AI applications), CrewAi, fastAPI, Flask, LLM,Streamlit