MD ZOAIB ALAM

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Education

Techno Main Salt Lake, Kolkata	2024-2026(expected)

- Masters of computer Applications

Techno India University, Kolkata	2021-2024

- Bachelor of Computer Applications | CGPA : 8.61

Saifee Golden Jubilee English Public School	2020-2021

- ISC (Class XII)

Saifee Golden Jubilee English Public School	2018-2019

- ICSE (Class X)

Experience

Data Science Internship   April – June 2024

At **Altair** | Remote

Worked on an End to End Advanced RAG App using AWS Bedrock and Langchain

Skills

Languages : Python, R, C/C++, Java, JavaScript
Frameworks & Libraries : Scikit-learn, PyTorch, Tensorflow, OpenCV, Keras, Hugging Face Transformers
Web Development : HTML, CSS, JavaScript, Node.js, RESTful APIs (FastAPI, Flask)
Databases : MongoDB, SQL
Tools and Platforms : Git / Git Bash, Power BI, Docker, Kubernetes
Natural Language Processing(NLP) : Text Analysis, Language Modeling, TextBlob

Projects

MRI Tumor Classifier

Developed an advanced tool to classify brain tumors (normal, glioma, meningioma, pituitary) from MRI scans, assisting healthcare professionals.

- Utilized TensorFlow, Keras, and pre-trained models (VGG16, ResNet50) for transfer learning.
- Implemented CNNs for robust classification with metrics like accuracy and F1-score for evaluation.
- Employed image augmentation and preprocessing techniques for effective data preparation.
- Designed an interactive UI with HTML/CSS/JavaScript and used Plotly for performance visualization.

VitalPulse Analytics [👓 GitHub]

Created a web platform leveraging machine learning for health and financial insights.

- **HeartGuard Predictor**: Achieved 93.8% accuracy in heart disease risk assessment using a Random Forest Classifier.
- **BodyVitality Gauge**: Predicted body fat percentage with 94.7% accuracy via Random Forest Regression.
- **InsuranceGuard Estimator**: Delivered 95.1% accuracy in insurance premium predictions using XGBoost Regressor.

Portfolio Website [👓]

- Developed a responsive portfolio website for optimal user experience on various devices.
- Infused creativity into the design, showcasing skills with visually appealing graphics and layouts.

Academic Achievements

- Ranked 2nd in Blind Coding at iLEAD Managedia 2022.
- Completed 100 Days of Code: The Complete Python Pro Bootcamp for 2023 Course offered on Udemy by Dr.Angela Yu.

Hobbies

- Coding
- Playing and watching football