Azmeera Thirupathi

Fifth year (Int.MSc)
Mathematics at NIT Rourkela
CGPA:6.89 till 8th Sem

7W32+69H, NIT Rourkela
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Links

Github:// **thirupathi-azmeera**
LinkedIn:// **thirupathi-azmeera-a69617219**

Skills

OS
Windows

LANGUAGES
Python, R, C

SOFTWARES
MS Excel, MS Word, AWS Cloud

LANGUAGES
English, Hindi, Telugu

DEVLOPER TOOLS
Sublime text, Visual studio, MatLab

DATABASES
MySQL

OTHERS
Autocad, Canva,

Coursework

Number Theory
Probability and statistics
Measure Theory
Physics
Quantum mechanics
Discrete Mathematics
Numerical Analysis
Linear Programming
Modelling dependence with copulas
Computer Vision

Education

2020-2025
INTEGRATED MSC. IN MATHEMATICS
NIT ROURKELA
CGPA : 6.89/10(Expected)

2018-2020
INTERMEDIATE
NRI JR COLLEGE, HYD(TELANGANA)
Percentage: 97%

2017-2018
HIGH SCHOOL
Telangana State Model School, Edlapally
Percentage: 93%

Experience

JUNE -2022 **TIFR CAM** **SWIM**
As part of this Summer Workout in Mathematics(SWIM) the topics of mathematics such as, Statistical learning, Linear algebra, Real analysis were taught by the faculty of the TIFR CAM Bengaluru. This programme helped me a lot to get a clear picture about greatness of mathematics, most credit goes to the faculties of this programme.

Python, Pandas, Numpy, Scipy, skearn, satsmodels.api

MAY -2023 **Linux World** **AWS cloud computing**
During this internship I got familiar with to some concepts of cloud computing such as Microservices, serverless architechture, EC2, AWS lambda, Amazon API Gateway etc,.

Python, GitBash, HTML, CSS

Side Project

JULY-2022 **365 careers data science** **(Numpy, statsmodels, sklearn, pandas, Seaborn, matplotlib)**

Created a model that fits to decides odds/evens to select a car by given features(Brand, EngineV, Mileage, Body, Engine type, Registration status, Model, Year). I performed model validation by train test split method.

JUNE-2022 **Svm Image classification for for medical imaging** **(Sklearn, matplotlib, pandas, numpy)**

Developed an image classification model to distinguish between benign and malignant cases using a Support Vector Machine (SVM) with a polynomial kernel, achieving an accuracy of 84 percentage. Preprocessed image data by normalizing and flattening it for model input. Achieved predictions with SVM, outputting results to a CSV file for further analysis.

Achievements/Awards

MAY-JUNE 2024 **IIT Bhilai** **Internship**
Completed a two-month internship on Discrete-Time Markov Chains at IIT Bhilai.

JUNE 2022 **TIFR CAM** **Participated**
I participated in this summer internship program.