

MOKESH NAGPAL

AN ASPIRING DATA SCIENTIST

+91 9903855585

nagpalmokesh@gmail.com

www.linkedin.com/in/mokeshnagpal

Howrah, West Bengal

github.com/mokeshnagpal

SUMMARY

A fluent coder and curious learner interested in data analysis, prediction, and mastering several programming languages. Moreover, there's a strong desire to broaden skills beyond the academic foundation in computer applications. Additionally, a confident speaker and engaged listener, offering potential value to the company.

TECHNICAL SKILLS

Programming languages:

Python, R, C, C++, Micropython, Tableau

AI Technologies:

Machine Learning, Deep learning

Web Technologies:

Flask, Tkinter, JavaScript, HTML5, CSS, PHP

Database Management:

MySQL, Firebase

CERTIFICATES

- Prompt Engineering
IBM Jan '25
- Data Analysis with Python
IBM Dec '24
- Python Hands-on Machine Learning
HRDC, LPU Dec '23
- Data Structures: Self-Paced
GeeksforGeeks Sep '23
- Data Visualization through Tableau
CPE-LPU Aug '23

POWER SKILLS

- Problem Solving
- Rational Thinking
- Generalization & Modularity
- Leadership
- Determinant
- Public Speaking

VOLUNTEER EXPERIENCE

- Placement Co-ordinator
Birla Institute of Technology 2025
- Vice President
Hostel 4 Committee, LPU 2023
- Class Representative
LPU 2022-24
- Appeared for SSB interview
NDA - 147 2021

ACHIEVEMENTS

- Won Data Science Hackathon,
DSS, BIT | Leader Sep'24

EXTRA-CURRICULAR ACTIVITIES

- Secured 1st position, INCREDIBLE-8,
LPU | Leader Apr'23
- Secured 1st position, INCREDIBLE-8,
LPU | Leader Apr'22

RESEARCH WORK AND PATENTS

Sustainable Elevator | Applied Feb'24

- Domain: IOT, Machine Learning, Mechanical, Electrical, Micro-controller |
Programming Languages: Python, Web Designing
- Innovated a prototype which has optimized algorithm for elevator movement, energy regeneration using piezoelectric floor and solar panel system, emergency failure, also developed a web app to display the current floor

Smart Pillow | 202311080891 Dec'23

- Domain: IOT, Machine Learning | Programming Languages: Python
- Engineered a prototype that will adjust the size of the pillow according to the user's sleeping posture

PROJECTS

Moisture Detection and Prediction System Sep'24

- Domain: Machine Learning, App Development, IOT, Web Development | Programming Language: Python, HTML, CSS, JS, Micro Python
- Build a design where sensor will record different parameter from NPK and moisture sensor
- Built a flask sever which will receive a request to predict data
- Crafted an app which is used for user input, overriding and current moisture display

Adaptive Traffic Management System Jun'24

- Domain: Deep Learning | Programming Languages: Python, Flask
- Created software that will help in reducing traffic congestion using image processing as well as a user-friendly admin control and public interaction interface

Data Analysis on Climate Change and its Indicators Apr'24

- Domain: Data Analysis, Prediction | Programming Languages: R
- Preprocessed climate raw data from img.org, predicted NA values using Regression
- Found correlation between climate change indicators country-wise and world-based, explored data using graphs, maps and clustering techniques
- Forecasted and hidercasted using ARIMA model

Data Visualization on Death and Wars Oct'23

- Domain: Data Visualization | Programming Languages: Tableau, R
- Collected dataset from Codebook for the Correlates of War (COW) Intra-State Wars Dataset v.5.1
- Preprocessing raw data using R and finding relation between death and wars using graphs, maps and charts

E-commerce Website Dec'22

- Domain: Full Stack Web development | Programming Languages: HTML, CSS, JS, MySQL, PHP
- Developed a website for my college under Revenue Generation Program

EDUCATION

Master of Computer Applications Aug '24 - Present

C.G.P.A. - 8.93 | Birla Institute of Technology | Mesra, IN

Bachelor of Computer Applications Apr '20 - July'24

C.G.P.A. - 9.43 | Lovely Professional University | Phagwara, IN