

SURESH MAHESHWARI

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LINKS

LinkedIn— [Suresh Maheshwari](#)

GitHub— [Suresh Maheshwari](#)

PROFILE

I'm a curious and hands-on developer who loves turning ideas into functional digital solutions.

My work blends web development, AI programming, and machine learning, allowing me to create everything from a Nike-inspired interactive website to an AI-powered mental health stage predictor. I enjoy exploring data, building intelligent models, and designing user-focused applications that solve real problems. Whether it's a freelance project, a research experiment, or a virtual internship, I bring creativity, technical skill, and a drive to keep learning and improving.

EMPLOYMENT HISTORY

❖ **Freelancer, Self-Employed**

Mar 2023 — Present

Design and develop tailored web applications, AI-powered solutions, and data analytics tools for clients. Delivered projects including Next.js websites, interactive dashboards, and machine learning models for data analysis and prediction.

❖ **Machine Learning Intern at Elevvo Tech**

Egypt, Cairo (Remote)

August 2025 — September 2025

I am currently engaged in a one-month remote internship focused on applying machine learning to real-world challenges.

- Designing and deploying ML pipelines involving data preprocessing, feature engineering, model development, evaluation, and visualization.
- Working with algorithms in regression, classification, and clustering using a diverse stack: **TensorFlow, Scikit-learn, NumPy, Pandas, Seaborn, Matplotlib, Plotly**, and more.
- Collaborating in a distributed setting using **Git/GitHub**, Jupyter, VS Code, and Google Colab.
- Applying model explainability techniques like **SHAP, AUC-ROC**, and confusion matrices to generate actionable insights.

Strengthening reproducibility, analytical storytelling, and production-readiness in model workflows.

EDUCATION

❖ **Sindh Madressatul Islam University**

Bachelor's of Science in Artificial Intelligence — Feb 2023 – Feb 2027 (Karachi)

❖ **Pakistan Navy Polytechnic Institute**

DAE in CIT — Oct 2018 – Mar 2021 (Karachi)

SKILLS

Machine Learning (Skillful), AI Programming (Skillful), Agentic AI (Skillful), Data Analytics (Skillful), Web Development (Experienced), Deep Learning (Beginner)

LANGUAGES

English (Proficient), Urdu (Native speaker), German (A2)

COURSES

- ❖ Developing AI Applications — (November 2025)
- ❖ Natural Language Processing in Python — (October 2025)
- ❖ Feature Engineer — Kaggle (September 2025)
- ❖ Understanding ChatGPT — DataCamp (Jan 2025)
- ❖ Understanding Machine Learning — DataCamp (Jan 2025)

VIRTUAL INTERNSHIP

- ❖ Data Analytics and Visualization Job Simulation, Accenture North America by Forage (Aug 2024, Virtual)
Project: Understanding Data Cleaning & Modeling, Data Visualization & Storytelling, Present to the Client

PERSONAL PROJECTS TO HIGHLIGHT

- ❖ Nike Clone Website for Hackathon at Governor's House Karachi Course (GIAIC)
<https://nikeclone-website.vercel.app/>
- ❖ Mental Health Prediction Using Firefly Model for Semester Project
- ❖ Parkinson's Disease Analysis Model using CNN and LSTM Hybrid Model

RESEARCH WORK

- ❖ **A Bio-Inspired Approach to Early Mental Health Diagnosis**
Under consideration for Publication
Research Paper on Mental Health Prediction Model Using Firefly Algorithm.
- ❖ **Generative-AI: A Modern Approach in Healthcare**
University-level Research Project not Published
Research Paper on how generative AI could be personalized for individual health diagnosis and suggest treatment accordingly.
- ❖ **Voice-based Parkinson's Disease Detection**
Research Paper on Parkinson's Disease Detection using a voice model on Python. Technology involves LSTM and CNN as well. A hybrid approach for Parkinson Detection using spectrograms, skimmer, etc.