



Mukand Krishna

Date of birth: 27/11/2002 | **Nationality:** Pakistani | **Gender:** Male | **Phone number:** (+92) 3328844888 (Mobile) | **Email address:** mukandrathi111@gmail.com | **Website:** <https://mukand-krishna.vercel.app/> | **LinkedIn:** <https://www.linkedin.com/in/beingkrishna>

EDUCATION AND TRAINING

15/09/2020 – CURRENT Karachi, Pakistan
BACHELORS OF SCIENCE IN COMPUTER SCIENCE (BSCS) FAST National University

Website <https://www.nu.edu.pk> | **Field of study** Computer Science

WORK EXPERIENCE

01/06/2023 – 31/08/2023 Karachi, Pakistan
DATA ANALYST INTERN

- Applied machine learning, sentiment analysis to text and image data, developed Power BI dashboards for sales forecasting, and created deep learning models for heart disease image classification.

Business or Sector Administrative and support service activities | **Website** <https://pakistanhinducouncil.org.pk/>

01/2023 – 02/2023 Karachi, Pakistan
AI AND DATA ANALYST INTERN

- Implemented regression models for sales prediction.
- Created a personalized product recommendation system for an e-commerce site.

Business or Sector Information and communication | **Website** sayabidevs.com

09/2021 – 02/2023 Remote
UPWORK FREELANCER

- Freelance data science and machine learning expertise, collaborating with clients for successful project outcomes.

01/09/2023 – 31/12/2023 Karachi, Pakistan
STUDENT TEACHING ASSISTANT

- Supported the Course Teacher as a Teaching Assistant, grading quizzes, assignments, and projects for Parallel and Distributed Computing in two course sections. Assisted in conducting labs .

DIGITAL SKILLS

Languages and Frameworks

python | C/C++ | java/javascript | keras | pytorch | pyspark | Knowledge graph | MERN Stack (MongoDB, ExpressJS, ReactJS, NodeJS)

Cloud and DevOps

Docker | AWS(EC2, S3, RDS) | Azure CI - CD

Productivity

Git | Latex | Figma | Microsoft PowerApps (Basic)

Database

MySQL | Oracle

ADDITIONAL INFORMATION

PROJECTS

SALES ANALYTICS

- Conducted detailed analysis on medical sales data, utilizing PyOD for outlier detection.
- Achieved 96.7% forecasting accuracy with PySpark's Voting Regressor (RF and GBM) and employed Shapley for feature impact analysis.

Link <https://github.com/MukandKrishna/Medical-Sales-Data-Analysis-and-Prediction>

CARDIO VISIO

- Orchestrated a heart disease image analysis, employing TensorFlow, **PyTorch**, and **OpenCV**, achieving a precision rate of 92%.
- Employed AWS SageMaker for accurate heart disease detection

GUARDIAN NET

- Engineered Intrusion Detection System with **Wireshark** using **Python** for network attack analysis, including flood and spoofing attacks detection. Implemented response mechanisms (email alerts, dynamic IP blocking) and designed a **Tkinter** interface.

Link https://github.com/MukandKrishna/Intrusion_Detection_System

Sentix Insight

- Achieved 91% accuracy in **sentiment analysis** on Twitter and Reddit data.
- Developed deep learning models for **text and image analysis**, reaching 84-88% accuracy and a 0.9 ROC-AUC score.

Link <https://github.com/MukandKrishna/Sentimental-Analysis>

DMYF BLOOD BANK

- Developed a secure MERN Stack **Blood Bank** Website with efficient donor-recipient matching and real-time notifications.
- Optimized **MongoDB** schemas for efficient data storage and implemented middleware for error handling and JWT authentication.

Link <https://github.com/MukandKrishna/maheshwari-blood-bank>

HONOURS AND AWARDS

13/03/2023

Runner up in Procom'23 – FAST National University Secured 2nd position in database competition in Procom'23.

15/11/2022

3rd position in SMEC'2022 – Sir Syed University Secured 3rd position in SMEC Database Competition.

07/03/2023

7th Position in Hackathon'23 – SayabiDevs Secured 7th position in SayabiDevs Hackathon'2023.

VOLUNTEERING

08/2023 – CURRENT karachi

Dhat Maheshwari Youth Forum, Lead Developer

- Lead Developer of community-focused Blood Bank project.

01/02/2024 – CURRENT Karachi

Procom'24 ChatBot Team, Cohead

- Coordinating the development of a ChatBot as a part of Procom'24.

02/02/2023 – 14/03/2023

Procom'23, Development Team Member

- Contributed to the website development efforts in the Procom'23 event.

01/03/2022 – 28/05/2022

ACM AI'22, Machine Learning Co-head

- Held a leadership role as the Co-head of the Machine Learning division in ACM AI'22.
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