SUBHANUD DIN

businessofcoding@gmail.com
Lahore
https://www.linkedin.com/in/subhanud-din/
https://github.com/BadarsCode/
03081467669

SUMMARY

I am a Computer Science graduate with a solid foundation in Data Science, Full Stack Development, and DevOps. Skilled in Python, Machine Learning (Scikit-learn, TensorFlow, Pandas, Numpy), and currently exploring Docker, Kubernetes, and cloud-native tools, real-world projects. Keen to join a dynamic team where I can apply my skills, grow professionally, and add real value.

EDUCATIION

10/2019 - 1/2024

BS Computer Science
University of Chitral
Comprehensive undergraduate program covering core computer science areas— programming, algorithms, databases, networking, and software engineering—along with problem-solving, teamwork, and communication skills.

TECHNICAL TRAININGS

12/5/2025 - 8/8/2025

Data Science & Ai
GIKI IT Training Center
•**Data Analysis –** Pandas, NumPy, Matplotlib, Seaborn, EDA, Data Cleaning
•**Machine Learning** – Scikit-learn, Classification, Regression, Clustering, Model Evaluation •Deep Learning – TensorFlow, Keras, CNNs, ANNs, RNNs, Hyperparameter Tuning, Transfer Learning
•**Data Engineering** – SQL, NoSQL, Web Scraping, APIs, ETL Pipeline Basics
•**Linux & Bash Scripting** – Shell commands, scripting basics, permissions, automation

2018 - 2019

Diploma in Information Technolgy
Arfa Karim Institute Chitral

PROJECTS

- **FYP**

I developed a comprehensive Student Management System using Python and the Tkinter GUI library. This project highlights my proficiency in both programming and user interface design, demonstrating my ability to create functional and user-friendly applications. Key features include student registration and attendance tracking, which contribute to efficient student data management. Through this experience, I strengthened my skills in Python programming. GUI development, and database integration. Overall, the project reflects my commitment to practical problem-solving and my ability to deliver impactful software solutions.

Data Science & Ai - **Projects**

- **Derma AI**

Developed a deep learning-based web application for skin disease detection using ResNet50 and custom CNN models, integrated through Streamlit for an interactive user interface. The system analyzes skin lesion images to predict potential conditions with high accuracy. Incorporated an EDA (Exploratory Data Analysis) module for dataset insights and model transparency. Additionally, built a domain-specific chatbot to assist users with queries related to skin diseases, enhancing the app's usability and accessibility.

- **Intel Image Dataset**

Developed a CNN using Keras Functional API to classify natural scenes into 6 categories. Applied data augmentation, EarlyStopping, and Keras Tuner for optimized training.

- **MNIST Digit Classification**

Implemented a deep learning model using Keras and TensorFlow to classify handwritten digits. Achieved high accuracy using dropout and regularization.

- **Netflix User Behavior Analysis**

Performed exploratory data analysis (EDA) using Pandas and Seaborn to uncover trends in viewing time, genre preference, and peak usage hours.

- **UCI Credit Card Default Prediction**

Built and tuned classification models (Logistic Regression, Random Forest) using Scikit-learn to predict customer default risk with 85% F1-score. •Wine Quality Prediction Used regression models (Linear, Random Forest) to predict wine quality scores. Performed feature engineering and visualized correlations using Seaborn.

- **Titanic Survival Prediction**

Applied classification algorithms (Logistic Regression, Decision Trees) to predict passenger survival using engineered features and handled missing data with Pandas.

•**Iris Flower Classification** Trained a simple yet effective classification model on the Iris dataset using Scikit-learn. Visualized clusters with pair plots and decision boundaries**.**

- **Indian Airlines Delay Analysis**

Analyzed flight delay patterns, prices, duration busy flights, using Pandas and Matplotlib. Identified major causes of delays through correlation and trend analysis.

- **USA Traffic Violations Analysis**

Conducted EDA on traffic violation data. Used groupby operations and charts to extract patterns related to time, location, and violation types.

- **Rock Paper Scissor**

Built a deep learning model using TensorFlow and Keras Functional API to classify hand gestures (rock, paper,scissors) from images. Applied data augmentation, dropout, and batch normalization to enhance generalization. Tuned hyperparameters such as learning rate, batch size, and number of filters using Keras Tuner

SKILLS

Programming Languages

- Python
- C++
- Java

Development Tools

- Visual Studio
- Dev C++
- Android Studio
- Docker
- Anaconda
- Visual Studio Code
- Pycharm
- Jupyter Notebook
- Google Colab

Professional & Communication Skills

- Technical and Business Writing
- Verbal and Written Communication
- Team Collaboration and Interpersonal Skills
- Understanding of Professional and Ethical Practices
- Entrepreneurial Mindset and Basic Business Knowledge

Web Technologies

- HTML
- CSS
- JAVASCRIPT
- DJANGO
- BOOTSTRAP
- FLASK

Productivity Tools MS Office Suite:

- WORD
- EXCEL
- POWERPOINT
- MS Access

Database & Technologies

- SQL
- MySQL
- Mongodb

Operating Systems & Virtualization

- Windows
- Ubuntu
- VirtualBox
- MacOS
- Linux
- VMware