Qureshi Waqas

9833328277 | itswaqas14@gmail.com | linkedin.com/in/qureshi-waqas | github.com/qureshiwaqas

Education

M.H. Saboo Siddik College of Engineering (Mumbai University) — Mumbai, India
Candidate for B.Engg in Computer Engineering with CGPA 9.3/10 — *June 2019 – May 2023*

Jai Hind College — Mumbai, India
Higher Secondary School Certificate in Science — *June 2017 – May 2019*

Experience

Machine Learning Intern — December 2020 – April 2021
Indibionics CHMI — *Mumbai, India*

- Programmed a system using Python for a chest wearable device that reports the issues and provides solutions pertaining to the health, physical well-being, and mental well-being of the users
- Researched current methods and their limitations by reading the research papers published by them and assessing their methods, and finding ways to improve them
- Developed Machine Learning models using Python to extract relevant HRV metrics from ECG and PPG signals for detecting various sleep stages
- Wrote python scripts for signal filtering, signal processing, and visualizing

Projects & Publications

Forecasting Renewable Energy | *Python, Numpy, Matplotlib, sklearn*

- Created a system using Python for predicting solar energy produced for a smart grid
- Accomplished r2 value of 92.47% by using regression model
- Applied various techniques such as feature selection, time-series analysis, pattern recognition & data visualization
- Authored and published a paper on the same in International Research Journal of Modernization in Engineering Technology and Science in April 2022, Volume 04, Issue 04, ISSN: 2582-5208

Animal Classifier | *Python, Keras, Matplotlib*

- Devised a model which classifies different animals using Convolutional Neural Networks
- Improved the accuracy from 70% to an accuracy of 97.67% by using techniques such as transfer learning and image processing
- Authored and published a paper on the same in International Research Journal of Modernization in Engineering Technology and Science in August 2022, Volume 04, Issue 08, ISSN: 2582-5208

Analysis of Covid-19 in India | *Python, Numpy, Matplotlib, Seaborn*

- Performed a detailed analysis and report of the spread of Covid-19 across different states of India using Python
- Provided insights using data visualization regarding the quality of healthcare which can be used to improve the healthcare systems accordingly

Technical Skills

Languages: Python, C Programming, SQL, R, Lua
Frameworks: Keras, Tensorflow, Scikit-learn, PyTorch
Developer Tools: AWS, Git, Docker, Colab, VS Code, Android Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib, PyAutoGUI, stylecloud, seaborn

Extra Curricular Activities

- Organizing various technical events, workshops, seminars on Cloud Computing, Networking, etc. as the Technical Event Manager at CSI MHSSC Chapter.(2022 - Present)
- Helped in organizing various cultural events, games, activities for teachers, and students all over the campus as a Joint Event Manager at CSI MHSSC Chapter.(2021-2022)
- Assisted in organizing hackathon; selected problem statements and ensured the smooth flowing of the event, as a Competitive Programming Lead at CodeChef MHSSC chapter.(2021-2022)
- Acted as a PR joint head during the college festival, Ambrosia, responsible for handling PR within and between different colleges, at M.H. Saboo Siddik College of Engineering.(2022)
- Volunteered for a beach cleanup drive in Mumbai, conducted by the M.H. Saboo Siddik College of Engineering.(2022)