Bhavish Kumar

0330-2341348 | Bhavishsindhi3@gmail.com | www.linkedin.com/in/bhavish-kumar511 | github.com/bhavish511

Education

Fast National University — Karachi, Sindh
Bachelor in Computer Science — *2021 – Present*

Technical Skills

Languages: Python, C/C++, SQL, NoSQL, JavaScript, HTML/CSS
Developer Tools: Git/Git-Lab, VS Code, PyCharm
Frameworks & Libraries: Node.js, Express.js, Pandas, NumPy, Matplotlib, scikit-learn, scikit-image, Pytorch/Keras

Projects

Predictive Modeling for Agriculture, ML-Model
Python, pandas, Matplotlib, scikit-learn — Aug 2024
- Developed a logistic regression model to predict crop types using soil metrics such as nitrogen, phosphorous, potassium, and pH.
- Preprocessed data, evaluated feature performance with F1-scores, identified potassium as the most predictive feature, and created visualizations to present results.

Text Classification and Clustering using Vector Space Model Information Retrieval
Python, Numpy, Matplotlib, scikit-learn — April 2024 – May 2024
- Implemented KNN and K-Means for text classification and text clustering respectively on 20 raw text documents
- Achieved a precision rate of over 90% and a recall rate of 80% in predictive modeling

Weather Web App | *Node.js, Express.js, MySQL, Handlebars, CSS* — June 2023 – July 2023
- Developed a web application that provides real-time weather data based on user-input city names.
- Utilized Node.js and Express.js for backend infrastructure, handling HTTP requests, routing, and middleware.
- Integrated external APIs to retrieve and display up-to-date weather conditions, including temperature, humidity, and forecasts.

Downy Shoes Wear Web App | *Node.js, Express.js, MySQL, Handlebars, CSS* — Nov 2023 – Dec 2023
- Developed e-commerce web with user, admin features product browsing, cart manage, and secure transactions.
- Built an admin dashboard for inventory management, product updates, and viewing user purchases.
- Integrated Handlebars for dynamic content generation, MySQL for data management, ensuring efficient operations and data integrity.

Car Rental System | *C++* — April 2022 – May 2022
- I employed OOP principles and C++ programming to create a user-friendly terminal-based Car Rental System.
- The system uses file handling for data storage and includes client and admin functionalities, plus a login system.

Experience

CodSoft — Dec 2023
Web Development Intern — *Remote*
- Developed a Tic Tac Toe game with a console-based interface, implement both two-player and one-player functionality.
- Created a "Guess the Number" game, utilizing random number generation and user input handling.
- Built feature-rich to-do list app for task management, data structures like vectors to enhance user experience.

Certifications

- Python Toolbox -DataCamp
- Data Manipulation in Pandas Toolbox -DataCamp
- Image Processing in Python -DataCamp
- Supervised Learning with scikit-learn -DataCamp