Pramodhkumar M

Github | Linked in | +91-8008663075 | mpramodhkumar582@gmail.com

EDUCATION

NBKR INSTITUTE OF SCIENCE AND TECHNOLOGY
B-Tech in Computer Science
CGPA: 8.2/10
Nellore | 2024

NRI JR COLLEGE
Class 12th - 9.7/10
Tirupati | 2020
Class 10th - 9.7/10

TECHNICAL SKILLS

Programming :
C, C++, Python

Database Management :
SQL, Oracle

Tools and Frameworks :
Git, GitHub, TensorFlow, Scikit-learn, Pandas, Seaborn, Matplotlib, Streamlit

Relevant Coursework:
Data Structures and Algorithms
Object Oriented Programming
Computer Networking
Operating Systems
Database Systems

SOFT SKILLS

- Problem-Solving
- Out-of-the-Box Thinking
- Leadership and Collaboration
- Target-Oriented Mindset

LINKS

•Github • Linked in
•Leetcode• Codechef

CERTIFICATIONS

Microsoft Certified
Azure AI Fundamentals | **Certificate**

Certificate of Completion
Coding Foundation in Python &
Data Structures and Algo | **Certificate**

Problem Solving (Intermediate)
HackerRank Certified | **Certificate**

EXPERIENCE

TEACHNOOK | Machine Learning with Python Intern
July 2023 – Aug 2023 | Bangalore, India | Report | Certificate | Project Link

- ***Implemented an*** Image classification system using CNN.
- Utilized TensorFlow and Python to process extensive datasets, enhancing the CNN architecture for efficient and accurate classification, achieving a 5% improvement in accuracy.

SLASH MARK | Data Science Internship
Dec 2023 – April 2024 | Delhi, India | Certificate | Project Link

- ***Implemented an*** Analyze-Daily-Weather-Data Project.
- Conducted exploratory and statistical analysis on daily weather data, leveraging Python and libraries like Pandas, Seaborn, and Matplotlib for trend visualization and insights generation.

PROJECTS

HEALTH MONITORING AND PREDICTION SYSTEM | ML
January 2024 | Major Project | Project Link

- Built an intuitive health prediction system using advanced machine learning techniques to provide real-time monitoring and personalized disease predictions.
- Integrated innovative New features include real-time health monitoring and disease prediction, along with voice recognition and telemedicine services.
- Tools/Tech Used: Python, Streamlit, Pandas, NumPy, scikit-learn.

LIBRARY MANAGEMENT SYSTEM | Web Development
July 2022 – Sep 2022 | Live Demo | Source Code | Report | Project Link

- Designed and developed an user-friendly interface for library staff to efficiently manage library resources, including books, magazines, and multimedia materials.
- Implemented a responsive UI using HTML, CSS, JavaScript, and integrated PHP for back-end logic and SQL for database management

SORTING VISUALIZER | Python and DSA
June 2024 | Live Demo | Github Link

- Engineered an interactive web application that visually demonstrated sorting algorithms, including **Bubble Sort, Merge Sort, and Quick Sort..** Helping over 150 users understand concepts through real-time animations.
- Tech Stack: Python, Sorting Algorithms, HTML, CSS, JavaScript.

OPENCV SUDOKU SOLVER | Python and DSA
July 2024 | Github Link

- Created a robust Sudoku solver application using OpenCV for image processing to accurately detect and extract puzzles from uploaded images.
- Designed an optimized **Backtracking algorithm** to find solutions for the puzzles, achieving seamless integration with existing software, resulting in a 5% increase in user satisfaction ratings as tracked via survey responses.
- Tools/Tech Used: Python, Backtracking Algorithm, Numpy, OpenCV.