ESWAR PEDDIREDDY

Software Development Engineer
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SUMMARY

A detail-oriented and passionate Computer Science graduate specializing in AI/ML and software development, with a strong foundation in data structures, algorithms, and software engineering principles. Proficient in Python, JavaScript, and modern development frameworks, adept at building scalable solutions and optimizing machine learning models for real-world applications.

INTERNSHIPS

Web Development Internship **Mar '23 — Apr '23**

OASIS INFOBYTE

- Developed a dynamic temperature converter and a responsive portfolio website using HTML, CSS, and JavaScript. Focused on user interface optimization and cross-browser compatibility.

EDUCATION

B-Tech in CSE (Artificial Intelligence and Machine Learning - Specialization), Gandhi Institute of Technology and Management (GPA: CGPA: 7.98) Aug '20 — Apr '24 Bengaluru, India

Relevant Coursework: Python, Data Visualisation, Design and Analysis of Algorithms, Deep Learning, DBMS, AIML, Data Structures, Object-Oriented Programming, Operating Systems, Computer Networks, System Design

CERTIFICATIONS

- Data Structures and Algorithms Certification, Coursera.
- Object Oriented Design Course, Coursera.
- Data Analysis with Python Course, Coursera.
- Design Patterns Course, Coursera.
- Cognizant Agile Methodology Virtual Experience Program.

ACHIEVEMENTS & CERTIFICATIONS (HACKER RANK)

- Problem-Solving (Intermediate) - 5-star Certification
- Python (5-star Certification)
- JavaScript (Basic Certification)

PROJECTS

Prediction of Air Quality Index **Sep '23 — Nov '23**

- Developed an air quality index prediction model achieving 96.6% accuracy.
- Utilized Scikit-learn to implement and compare Logistic Regression, Random Forest, and Support Vector Machine models.
- Conducted data preprocessing and hyperparameter tuning to optimize performance.

Heart Disease Prediction Using Machine Learning **Jan'23 -- Mar '23**

- Developed a machine learning model to predict heart disease with high accuracy.
- Utilized Logistic Regression, Support Vector Machines, and K-Nearest Neighbours for classification.
- Achieved an accuracy of 88.5% using Logistic Regression.
- Performed data preprocessing, feature scaling, and hyperparameter tuning for model optimization. Visualized key data distributions and model performance metrics such as ROC curves.

SKILLS

- **Programming Languages** Python, JavaScript, SQL
- **Web Technologies** React.js, HTML, CSS
- **Database Management** MySQL
- **Development Tools** Git, TensorFlow, Scikit-learn
- **Software Engineering Concepts** Data Structures and Algorithms, System Design, OOP, Computer Networks, DBMS

LANGUAGES & INTRESTS

- Fluency in English, Telugu and Hindi
- Intrested in Travelling, Playing Cricket