PRAWINRAJ V M
SOFTWARE DEVELOPER

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PROFILE:

Aspiring Software Developer with a strong foundation in Java, Python, SQL, and Machine Learning. Currently pursuing a B.Tech in Artificial Intelligence and Data Science, with a passion for leading projects and developing innovative solutions. Recognized for professional communication and leadership skills, with hands-on experience in software development, algorithm design, and data processing. Dedicated to leveraging technical expertise to solve complex problems and build impactful applications.

EDUCATION:

- **B.Tech Artificial Intelligence and Data Science,** Panimalar Engineering College 06/2021 - present | Chennai, India.   **CGPA : 8.63**
- **HSC** ,Cheran Matriculation Higher Secondary School,06/2020 - 04/2021 | Karur, India **Percentage: 93**
- **SSLC,** Cheran Matriculation Higher Secondary School,06/2018-04/2019 | Karur, India **Percentage: 92**

INTERNSHIPS:

Python programming, *Internpe*:

- Contributed to the development and maintenance of Python applications by writing, optimizing, debugging, and testing code.

Artificial intelligence, *Interncareer:*

- Developed and implemented machine learning models for image classification and text sentiment evaluation, gaining hands-on experience in model training, data preprocessing, and integrating AI solutions into practical applications.

SKILLS:

- Java: Statement-Looping, Decision Statement, static and non-static. OOPs- Encapsulation, Inheritance, Abstraction, Polymorphism. Interface, Exception handling.
- SQL: RDBMS SQL statements, Aggregate Functions Subquery and Joins.
- Machine Learning: Supervised Learning, Unsupervised Learning, Model Evaluation.

PROJECTS:

Sentimental Analysis on Amazon Reviews:

- This project integrates traditional NLP with the Roberta model for sentiment analysis on Amazon reviews, using VADER scoring and visualizations for comparative analysis. It achieves over 96% accuracy, providing detailed insights into customer opinions and sentiment.

Cyberbullying detection on social media using bert algorithm:

- This project develops a text classification model using TensorFlow and a pre-trained BERT model, incorporating profanity detection and sanitization.

Mental Health tracker using Machine learning:

- Developed a Mental Health Fitness Tracker utilizing advanced machine learning algorithms like Random Forest and Elastic Net Regression, improving the accuracy of mental health monitoring and classification.

CERTIFICATIONS:

- Java and advanced java, **codechef**.
- Data analysis and visualization using power bi, **Microsoft.**
- Python for data science, **NPTEL**.

LEADERSHIP:

- Student Coordinator for the International IEEE Conference.
- Led a team of 3 members to develop a project on cyberbullying detection on social media.

ACHIEVEMENTS:

- Student coordinator award.
- Winner in coding competition at symposium.
- Paper presentation awards.
- Copyright - Elevating Security in Maternity Wards and Temples with Biometric Precision.