Devaraj A D

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SKILLS

- **Languages**: C++, JavaScript, C, PHP
- **Frameworks**: Android SDK (Kotlin), HTML and CSS
- **Tools/Platforms**: MySQL
- **Soft Skills**: Time Management, Learning Mindset, Project Management, Adaptability

TRAINING

- **GeeksForGeeks - Complete Machine Learning Data Science**   June 2024-July 2024
  - Completed Machine Learning & Data Science training, covering Supervised & Unsupervised Learning, Regression.
  - Worked on real-world datasets and built ML models using Pandas, and Python.
  - Developed an end-to-end ML project with integrating predictive analytics.
  - Created dynamic data visualization dashboards using Tableau and Seaborn.

- **CipherSchools - Python Training**   September 2022 - January 2023
  - Mastered Python programming, covering fundamentals, object-oriented concepts, and advanced features.
  - Learned data structures, including lists, tuples, dictionaries, stacks, and queues.
  - Gained hands-on experience in file handling, reading, writing, and manipulating data
  - Improved algorithmic thinking through coding challenges and exercises..

PROJECTS

- **Predictive Analytics**   September 2024
  - Developed a predictive analytics system to compare KNN, Naive Bayes, and Decision Tree models.
  - Implemented and fine-tuned machine learning models in R to evaluate predictive accuracy.
  - Analyzed dataset patterns and relationships to extract meaningful insights for model evaluation.
  - Optimized model performance by adjusting hyperparameters and reducing classification errors.
  - Compared model accuracy, precision, and recall, identifying the best-performing algorithm.
  - Automated data preprocessing and feature selection to enhance computational efficiency.
  - Documented findings in a detailed report, providing data-driven recommendations for future applications.

- **Inventory Management System**   June 2024 - July 2024
  - Developed an automated inventory tracking system that improved data accuracy by 30%.
  - Implemented efficient file handling techniques, enabling 99% error-free data storage and retrieval.
  - Optimized data processing speed by 40% using structured data manipulation methods.
  - Automated stock updates, reducing manual effort by 60% and minimizing discrepancies.
  - Designed a robust purchase logging system, enhancing transaction record accuracy by 25%.
  - Integrated real-time error handling mechanisms, ensuring uninterrupted system functionality.

CERTIFICATES

- **GeeksForGeeks - Complete Machine Learning Data Science**   June 2024-July 2024
  - Completed hands-on training in machine learning, data analysis, and statistical modeling using Python.
  - Implemented algorithms for predictive modeling, data visualization, and real-world problem-solving.

- **Udemy - Data Structures And Algorithm**   June 2024-July 2024
  - Learned fundamental and advanced data structures, algorithm design, and complexity analysis.
  - Implemented efficient sorting, searching, and optimization techniques for problem-solving.

- **CipherSchools - Python**   September 202-January 2023
  - Learned fundamental and advanced data structures, algorithm design, and complexity analysis.
  - Implemented efficient sorting, searching, and optimization techniques for problem-solving.

ACHIEVEMENTS

- Secured 'O' Grade in Python,showcasing strong programming skill
- Achieved 'O' Grade in R, reflecting proficiency in statistical computing
- Earned 'O' Grade in Excel, demonstrating expertise in data analysis and visualization

EDUCATION

- **Lovely Professional University**   Punjab,India
  Bachelor of Technology - Computer Science and Engineering; CGPA: 7.68 •   Since October 2022
- **Amrita Vidyalayam**   Kerala,India
  12th with science; Percentage: 92.2%   2020-2021
- **Amrita Vidyalayam**   Kerala,India
  10th with science; Percentage: 88.8%   2018-2019