Prekshitha G L

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Summary

Information Science & Engineering student with strong skills in Java, Python, JavaScript, HTML, CSS, SQL, and basic React & MongoDB. Good understanding of OOPs and DSA fundamentals. Hands-on experience with Git/GitHub, Agile/Scrum, and Machine Learning using Python libraries. Always interested in learning new technologies and contributing effectively to team projects.

Technical Skills

- **Languages:** Java, Python, JavaScript
- **Frontend:** HTML, CSS, React js(Basics)
- **Databases:** MySQL, MangoDB
- **Machine Learning:** Pandas, NumPy, Scikit-Learn, Matplotlib, basic ML algorithms
- **Core concepts:** OOPs, DSA(Basics - Arrays, Strings, Searching, Sorting), Machine Learning
- **Tools:** Git, Github
- **Methodologies:** Agile, Scrum

Education

Don Bosco Institute of Technology, Bengaluru *2022 – 2026*
B.E. in Information Science and Engineering **CGPA:** 8.77

SPSM PU College , Davanagere *2020 – 2022*
PUC (PCMC) **Percentage:** 95.6%

Vagdevi High School, Holalkere *2019 – 2020*
SSLC (10th) **Percentage:** 96.32%

Certifications And Achievements

Best Paper Presentation
Don Bosco Institute of Technology,Bengaluru

- Presented the paper 'Early Detection of PCOS using Machine Learning' at I3C-2025 International Conference awarded for outstanding presentation and innovative approach.

Certificate of Academic Excellence
Don Bosco Institute of Technology,Bengaluru

- Received Certificate of Appreciation for outstanding cumulative academic (2023–24).

Projects

Early Detection of PCOS Using Machine Learning(Final Year Project • January 2025 – recent)

- Built a machine learning model to predict PCOS risk using patient health parameters after performing data preprocessing and feature selection.
- Trained and evaluated classification algorithms (Decision Tree, Random Forest) and used SHAP to interpret model predictions.
- Built an interactive application to provide users with quick and reliable health insights, enhancing accessibility and awareness.

Intelligent Travel Recommender System

- Designed a personalized travel recommendation system using user preferences, location data, and machine learning algorithms.
- Implemented data preprocessing, similarity analysis, and recommendation algorithms to provide accurate travel suggestions.
- Developed an interactive interface for users to explore destinations, enhancing user experience and trip planning efficency.

To-Do List Application

- Developed a dynamic task management application using React components and hooks.
- Implemented add/delete task functionality with a clean and responsive UI.
- Published the project on GitHub to practice version control and deployment.