

R DEVIKA

rdevika861@gmail.com | (+91) 7075060827 | [LinkedIn](#)

PROFILE

Aspiring researcher in Machine Learning, Deep Learning, and AI, with hands-on experience in model development and optimization. Passionate about solving real-world problems and contributing to social good through impactful research. Skilled in analytical thinking, problem-solving, teamwork, and effective communication. Adaptable, collaborative, and committed to continuous learning and innovation.

EDUCATION

❖ Amrita Vishwa Vidyapeetham Amritapuri	CGPA: 8.58
❖ XII (state board) Narayana	97.8% 2022
❖ X(state board) Narayana	95% 2020

PROJECTS

Loan Default Prediction using Machine Learning (Dec 2024 - present)

- Financial institutions face challenges in accurately predicting loan defaults, leading to potential financial risks.
- Developed a machine learning model with feature engineering, handled imbalanced data, and optimized performance using ensemble methods like XGBoost. Integrated cross-dataset validation to improve generalization.
- Enhancing model accuracy and reliability for better risk assessment, with ongoing refinements to optimize predictive performance.

Skin Disease Diagnosis using DL models (Nov 2024 - Dec 2024)

- Early and accurate detection of skin diseases is crucial, but access to dermatologists is limited in many regions.
- Designed a deep learning-based system using CNNs for image classification, optimized lightweight models.
- Developed and trained a functional model on a publicly available dataset, achieving high accuracy in diagnosing skin diseases.

SKILLS

- Programming Languages: C++, Python, C, Java, SQL
- Web Development: HTML, CSS, Bootstrap
- Data Science Tools: NumPy, Pandas, Matplotlib

AREAS OF INTRESTS

- Research in the domain of Machine learning, Deep learning
- Artificial intelligence.
- Software development.

SOCIAL OUTREACH

- Student Social Responsibility (SSR) Project
Conducted an awareness session for school students on health and well-being, promoting healthier lifestyle choices. Achieved 90% positive feedback, highlighting improved understanding of key health topics.

LANGUAGE PROFICIENCY

- English, Telugu to read, write, speak and understand fluently.
- Tamil, Hindi to speak and understand.