Revathi Yerninti

Software Engineer | Machine Learning Enthusiast

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 github.com/YernintiRevathi | Portfolio

Summary

Results-oriented Software Engineer with a deep expertise in machine learning and full-stack development. Proven ability to build and deploy scalable, data-driven software solutions from end-to-end. Highly proficient in Python, JavaScript (React, Node.js), and modern database technologies (SQL/NoSQL). Excels at integrating machine learning models into robust applications to solve complex problems and deliver intelligent features.

Education

B.Tech in Computer Science	2022 − 2026
MVGR College of Engineering	CGPA: 8.97
Intermediate (MPC)	2020 − 2022
Sasi Junior College	98.5%
Schooling	2019 − 2020
Catherine Public School	99.67%

Skills

- **Languages:** Python, JavaScript, SQL, Java, C++, C
- **Frontend/Mobile:** React, React Native, HTML, CSS, Next.js
- **Backend:** Node.js, Flask, Firebase, REST APIs
- **AI/ML:** Scikit-learn, TensorFlow, OpenCV, Pandas, NumPy
- **Databases/Tools:** MySQL, SQLite, MongoDB, Git, GitHub, Cursor, Copilot

Experience

Freelance App Developer — Jun 2025 − Present
Remote

- Built a user-centric ride-hailing product from end-to-end using React Native and Firebase for a real-time user experience.

Software Engineer Intern — Sep 2025 − Nov 2025
YugaYatra Retail OPC Pvt. Ltd.

- Engineered end-to-end web applications for live client projects, leveraging AI-powered tools (Cursor AI) and BaaS platforms (Firebase Studio) to accelerate the development lifecycle and ensure rapid delivery.

Frontend Intern — Aug 2025 − Oct 2025
Edunet Foundation − AICTE

- Applied hands-on training from the IBM SkillsBuild platform in modern frontend technologies (HTML, CSS, JS, Bootstrap) to develop a full-featured smart study planner, enhancing user productivity with local storage and dynamic UI updates.

Java Full Stack Intern — May 2025 − Jul 2025
NDVTechsys

- Engineered and deployed several full-stack web applications using the MERN stack, designing RESTful APIs to power product features.

AI/ML Intern — May 2025 − Jul 2025
NDVTechsys

- Engineered a data preprocessing pipeline that streamlined data cleaning to support the development of ML-powered features.

Projects

Violence Detection System Ongoing
TensorFlow + OpenCV

- Developing an AI-powered feature to analyze video feeds in real-time for security applications.

Ride-Hailing App Ongoing
React Native + Firebase

- Engineered a scalable mobile app like Rapido with secure user authentication and real-time GPS tracking via Firebase.

Dark UX Pattern Detector (Hackathon Winner) Sep 2025
JS + Python

- Created a Chrome extension that solves a key user problem by integrating an AI model directly into the product for real-time value.

Vehicle Rental Website Dec 2024 – Feb 2025
Flask + SQLite

- Developed a full-stack rental platform with end-to-end features including user registration and a real-time booking system.

Movie Recommendation System Jul 2024 – Nov 2024
Python, Pandas, Scikit-learn

- Processed and transformed unstructured text from movie plot descriptions into a structured feature set using TF-IDF vectorization for a content-based recommendation engine.

Certifications

- Full Stack Development – GeeksforGeeks (Ongoing)
- Web Development Fundamentals – IBM SkillsBuild (Sep 2025)
- SQL Advanced & Intermediate – HackerRank (May 2025)
- AWS ML Foundations & Data Engineering – AWS (Apr 2025)
- IT Essentials & Programming in C – Cisco (2023)

Achievements

- **1st Prize**, Sankalp Hackathon for a user-focused product innovation.
- **300+ day Leetcode streak** (400+ problems solved).
- **5-star** SQL and **4-star** Python ratings on HackerRank.