

Revathi Yerninti

Software Engineer | Machine Learning Enthusiast

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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
<i>MVGR College of Engineering</i>	CGPA: 8.97
Intermediate (MPC)	2020 – 2022
<i>Sasi Junior College</i>	98.5%
Schooling	2019 – 2020
<i>Catherine Public School</i>	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
<i>Remote</i>	
• 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
<i>YugaYatra Retail OPC Pvt. Ltd.</i>	
• 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
<i>Edunet Foundation – AICTE</i>	
• 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
<i>NDVTechsys</i>	
• 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
<i>NDVTechsys</i>	

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

Projects

Violence Detection System <i>TensorFlow + OpenCV</i>	Ongoing
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• Developing an AI-powered feature to analyze video feeds in real-time for security applications.	Ongoing
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Ride-Hailing App <i>React Native + Firebase</i>	Ongoing
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- Engineered a scalable mobile app like Rapido with secure user authentication and real-time GPS tracking via Firebase.

Dark UX Pattern Detector (Hackathon Winner) <i>JS + Python</i>	Sep 2025
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- 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 <i>Flask + SQLite</i>	Jan 2024
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- Developed a full-stack rental platform with end-to-end features including user registration and a real-time booking system.

Movie Recommendation System <i>Python, Pandas, Scikit-learn</i>	Jul 2024 – Nov 2024
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- 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.