




Pavan Kumar R

✉ pavankumar56214@gmail.com  github.com/pavankumarr.cs22
 www.linkedin.com/in/pavankumarr2004/  +918951818676

EDUCATION

B.E in Computer Science & Engineering

2022 - 2026

RV College of Engineering, Bengaluru

Current CGPA: 7.74

Karnataka Secondary Education - Class XII

2020 - 2022

MAHADEVA PU College, HOSAKOTE

Percentage : 87.50%

SKILLS

Languages: C, C++, Java, Python

Development: HTML, CSS, JavaScript, Node.JS, PHP

Databases: SQL, MongoDB

Data Structures & Algorithms

Object Oriented Programming

Tools: Git/GitHub, VS Code, GeeksforGeeks, Xampp Server

PROJECTS

Web Based Learning Platform | *JavaScript, CSS, HTML*

- Developed and managed a comprehensive web-based learning platform offering diverse courses, interactive quizzes, and chatbot support.
- Integrated interactive quizzes and assessments to enhance engagement and facilitate knowledge retention.
- Established discussion forums and chatbot functionality to foster a supportive online learning community.

EduThon: AI-Powered Parental Learning Companion

- Built an AI-powered education platform to help parents teach children through personalized concept explanations powered by Google Gemini, with multilingual support and analytics.
- Backend (Flask) serves AI explanations; frontend (React) features gamified lessons, quizzes, dashboards, and progress tracking for both parents and kids.
- **GitHub:** [Link](#)

AI-Powered Cybersecurity Threat Detection System

- Developed an AI system to detect CAN bus cyberattacks (DoS, Fuzzy, Impersonation) in real time using Python and ML models (TensorFlow, Scikit-learn), trained on automotive datasets.
- Deployed with Flask/FastAPI, integrated real-time CAN monitoring and visualization (Matplotlib, Seaborn) with optional MySQL logging.
- Designed for future embedded deployment to enhance in-vehicle cybersecurity.
- **GitHub:** [Link](#)

CODING PROFILE

GeeksforGeeks: PavankumarR

Leetcode: pavankumarr2004

GeeksforGeeks: pavankumarr2004

ACHIEVEMENTS

- Secured 971th rank in KCET 2022.
- 4th place in coding contest hosted by Coding Club.
- Inter-college hackathon: built prototype in 24 hours.