YOGAPRAVEEN RAVIKUMAR

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SUMMARY

Final year B.E. CSE (AI & ML) student with hands-on experience in full-stack development and deep learning. Proven skills in Python, React.js, and CNN-based computer vision projects. Passionate about building scalable applications and solving real-world problems using AI.

EDUCATION

B.E CSE(AI&ML), *Sona college of technology,Salem.* 2022 – 2026
CGPA: 7.01/ 10 Salem, Tamil nadu.

HSC, *Government higher secondary school,Athanoor.* 2021 – 2022
Percentage:62.3% Namakkal, TamilNadu.

SSLC, *Gandhi kalvi nilayam,Thengalpalayam.* 2019 – 2020
Percentage:74.6% Namakkal, Tamilnadu.

SKILLS

Programming Languages:
- Python
- Java
- JavaScript

Backend:
- Node.js
- Express.js
- Spring Boot

Libraries & Frameworks:
- NumPy
- Pandas
- Matplotlib
- Seaborn
- Scikit-learn
- TensorFlow
- PyTorch
- OpenCV

Frontend:
- React.js
- HTML
- CSS

Databases:
- MongoDB
- MySQL
- PostgreSQL

Concepts & Tools:
- Machine Learning
- Deep Learning
- Computer Vision
- Natural Language Processing (NLP)
- Data Structures & Algorithms
- Object-Oriented Programming (OOPs)
- Version Control (Git & GitHub)

PROJECTS

E-commerce Website (MERN Stack)
Built a full-stack web app with product listing, authentication, cart system, and admin dashboard using MongoDB, Express.js, React.js, and Node.js.

Personal Portfolio Website (React.js, Tailwind)
Created and deployed a responsive personal portfolio on Netlify to showcase technical skills and projects using React and Tailwind CSS.

Knee Osteoarthritis Classification (CNN)
Developed a CNN model to classify knee X-rays with high F1-score and accuracy, visualized results with a confusion matrix.

Women Safety Alert System (AI + CV)
Designed a real-time AI-powered safety system integrating camera-based gesture detection and Arduino-triggered emergency alerts.

IoT-Based Power Optimizer
Engineered an Arduino-based system for optimizing peak power usage; won First Prize at a national-level technical symposium.

Certificates

- Generative AI – Microsoft
- Python Zero to Hero – GUVI
- Prompt Engineering – DeepLearning.AI
- AI Foundation – Infosys Springboard
- Machine Learning – Novi-Tech
- Java Foundation – Infosys Springboard
- Data Structures in C – Great Learning