

BARANINATHAN S P

+91 9080081618

Tirunelveli, Tamil Nadu.

www.linkedin.com/baraninathan

baranisp304@gmail.com

SUMMARY

Detail-oriented Computer Science Engineering student with strong analytical and problem-solving skills, proficient in programming, web development, AI/ML, and IoT. Seeking a fresher role to apply technical knowledge, gain industry exposure, and grow as a software professional. Known for effective communication, teamwork, time management, and continuous learning.

EDUCATION

FRANCIS XAVIER ENGINEERING COLLEGE

B.E - COMPUTER SCIENCE ENGINEERING
2023 - 2027 | CGPA : 7.40

LITTLE FLOWER MATRICULATION HIGHER SECONDARY SCHOOL

2022 - 2023 | HSC - Class XII

LINKS

Portfolio:// Barani.com

Github:// barani001

LinkedIn:// Baraninathan

Instagram:// Lokesh.ai

CERTIFICATIONS

Redhat System Administration
RH124 - RHR Ver. 9.3

SQL (Basic) by Hacker Rank.

Certified in OpenCV Bootcamp

Cyber Security and Privacy in NPTEL

TECH SKILLS

PROGRAMMING

Python • HTML • CSS • Javascript

MySQL

TECHNICAL TOOLS

VS Code • Figma • Canva • Colab

Illustrator • GitHub • Linux

AI/ML DEVELOPMENT

TensorFlow • Flask API • OpenCV

Deep Learning (CNN)

SOFT SKILLS

- Communication & Client Handling
- Time Management & Teamwork
- Problem-Solving & Design Thinking

PROJECTS

AI-URBAN FLOOD DETECTION SYSTEM - AI / WEB

JAN 2026

Patented

- Used computer vision and ML to estimate road water levels using CCTV.
- Enabled real-time alerts and website visualization for flood warnings.

DISEASE DETECTION SYSTEM - AI / ML / WEB

AUG 2025

- Applied machine learning models for accurate disease prediction.
- Assisted healthcare professionals by minimizing manual diagnostic errors

WEATHER INTELLIGENCE FORECASTING SYSTEM - IOT

JAN 2025

- Built an IoT-based weather station for real-time environmental monitoring.
- Integrated multiple sensors to collect temperature, humidity, rainfall, and wind data.

EXPERIENCE

EDGEMATRIX MULTINATIONAL CORPORATION (MADURAI).

DEC 2026

- Completed a six-week internship focused on **Data Science** and analytics concepts.
- Used Python for data analysis and preprocessing
- Created live IoT weather monitoring dashboard in Grafana

Website Developer (Freelance) - React.js

PAID

Self-Employed | 2025 - Present

- Built responsive websites using React.js, HTML, and CSS.
- Translated Figma designs into production-ready UI.
- Worked with clients to deliver custom web solutions.

Logo Designer (Freelance) - Illustrator

PAID

Self-Employed | 2025 - Present

- Designed custom logos and visual identities based on client requirements.

AWARDS

- 1st Prize** (15,000 cash) VISAI 2025 (15th International Project Competition)
- Published a **Patent** for AI-Urban Flood Detection System
- 1st Place** - AATRAL Expo for Best Product
- 3rd Prize** - Astro Aerospace Pvt. Ltd. Competition