BARANINATHAN S P

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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 I 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 • Open CV

TECHNICAL TOOLS

VS Code, Cursor • Figma • Canva
Illustrator • GitHub • Colab

DATA ANALYTICS

Pandas • NumPy • Matplotlib
Seaborn • Excel • Power BI

SOFT SKILLS

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

PROJECTS

AI-URBAN FLOOD DETECTION SYSTEM – AI / WEB   JAN 2026

- Developed an AI-based flood detection system using CCTV cameras for real-time monitoring.
- Used computer vision and ML to estimate road water levels.
- 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
- Improved early detection and treatment outcomes.

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.
- Visualized live weather data using Grafana dashboards.

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

Year	Rank	Event
2026	1st/25	VISAI 2025 16th International Project Competition
2025	1st/60	AATRAL Expo for Best Product
2025	Finalist	Kalasalingam Academy Hack Odyssey
2024	3rd/20	Astro Aerospace Pvt. Ltd. - cash prize