Loganathan Murugan

Software Developer | Python Developer | Full Stack Developer | AI/ML Engineer | UI/UX Designer

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Portfolio • GitHub • LinkedIn

Professional Summary

Results-driven Software Developer with hands-on experience in **Python**, **Full Stack** development and **AI/ML**. Strong background building production-ready applications with **React, Node.js, Express, Firebase, MySQL, OpenCV and OCR**. Experienced in REST API design, responsive UI, model training, data preprocessing and user-centered UX design. Seeking roles in Software Development, Full Stack Engineering, or AI/ML.

Education

B.Tech — Information Technology

Vel Tech High Tech Dr. RR & Dr. SR Engineering College, Chennai *Aug 2022 – May 2026*

Internship Experience

Euclid Technologies — UI/UX Design Intern *Feb 2025 – Apr 2025*
- Designed and delivered 20+ wireframes and interactive prototypes using Figma; improved navigation flows and responsiveness.
- Conducted usability testing and iterated designs to reduce user navigation friction by 30%.

Eluid Technology — UI/UX Designer *Jul 2023 – Aug 2023*
- Built high-fidelity UI screens and component libraries; improved design-to-development handoff and reduced rework.

NSIC — Mobile App Intern *Sep 2023*
- Implemented Android UI using XML/Java and integrated Firebase APIs; optimized layouts for responsiveness.

DevTown — Graphic Designer *Jun 2023 – Aug 2023*
- Created branding assets and social media creatives used in client campaigns to increase engagement.

Projects

AI Tennis Scoreboard Detection — Real-time Score Reader (Python, OpenCV, OCR)
- Built a real-time scoreboard detection pipeline using OpenCV + OCR; preprocessing and segmentation improved detection in motion/low-light scenarios. Achieved 92% extraction accuracy.

Advocate–Client Portal — Web App (HTML, CSS, JS, Firebase)
- Developed secure two-way chat, file sharing and location-based advocate lookup. Implemented role-based access and structured Firestore data models.

Math Assistant for Blind Users — Voice Tool (Python, ML)
- Implemented speech-to-text input and TTS output to solve math problems; improved speech-processing accuracy via noise reduction pipelines.

Smart Restaurant UI — Interactive Dining (Figma)
- Designed interactive dining interface to streamline ordering and menu browsing and improve order completion flow.

Technical Skills

Languages: Python, JavaScript, Java (Basic), SQL
Frontend: React.js, HTML5, CSS3, Responsive Web Design, Android XML
Backend: Node.js, Express.js, Firebase, REST APIs, Supabase
AI/ML: OpenCV, OCR, Image Processing, Model Training, Data Preprocessing
Databases: MySQL, Firebase Realtime DB, Firestore, Supabase
Tools & DevOps: Git, GitHub, VS Code, Postman, Netlify, GitHub Actions (CI/CD)
Design: Figma, Adobe XD/Photoshop, Blender, Unity, Affinity, Notion

Soft Skills

Problem Solving • Communication • Team Collaboration • Time Management • Leadership

Hobbies

Gaming • UI Practice • Cricket • eSports • Tech Research