Sooraj S

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Education

PES University, Bengaluru — *Jan 2023 – August 2025*
Bachelor of Technology in Computer Science and Engineering — CGPA: 8.0/10

Sri Jayachamarajendra (Govt.) Polytechnic — *July 2019 – October 2022*
Diploma in Electronics and Communication Engineering — Percentage: 86.46%

Vishwa Kalaa Niketan Model English High School — *June 2017 – May 2019*
SSLC — Percentage: 94.56%

Experience

Full Stack Builder, Veyon Ideations — *July 2025 – Present*

- Led the transition of a lab-built smart mirror prototype into a startup product by building an investor-ready, production-showcase version, refining the companion app, and deploying integrated services on a VPS environment
- Built a standalone fashion assistance platform end-to-end, including a cross-platform Flutter application, FastAPI backend, Celery, Redis, and PostgreSQL stack, secure authentication, RESTful APIs, VPS deployment, and a branded website; currently supporting closed beta testing

Research Intern, Indian Institute of Science (IISc) — *Jan 2025 – June 2025*

- Engineered an AI-powered smart mirror prototype with integrated face recognition, clothing recognition, and context-aware outfit recommendation capabilities
- Built a cross-platform Flutter companion application to interface with the smart mirror system and deliver a consistent mobile experience across Android and iOS

Research Intern, CIE @ PESU — *June 2024 – July 2024*

- Developed an advanced in-vehicle infotainment system using Raspberry Pi 5 and Android Automotive OS
- Deployed a robust surveillance application equipped with real-time alerts and live streaming functionality to evaluate the stability and capability of the system

Technical Skills

Programming Languages: Python, JavaScript
Core Areas: Deep Learning, Operating Systems, Databases, Networks, Cloud Computing, Data Analytics, OOP, Web Development, Backend Development, Internet of Things
Tools and Frameworks: Flutter, FastAPI, Fastify, React, PostgreSQL, Redis, Git, Docker, Figma, Claude Code, Cursor, Codex

Projects

Audidex – *React, FastAPI, TensorFlow, Librosa*

- Trained an audio deepfake detection model using hybrid glottal and Mel-spectrogram feature extraction with TensorFlow and Librosa to classify synthetic and manipulated speech in real time
- Engineered a React and FastAPI application layer for file upload, live audio capture, real-time inference, and visualization of model outputs for interactive analysis

P2F – path2fitness.vercel.app — *Flutter*

- Built a privacy-first cross-platform fitness application in Flutter with a polished mobile-first UI, intuitive workout flows, and streamlined progress tracking
- Designed a local-first product experience centered on personalized fitness planning and lightweight cross-platform usability

Dictait – *Python, Whisper, PyAudio*

- Built a Linux voice dictation tool that maps a global Super+I shortcut to microphone capture, local Whisper transcription via faster-whisper, and clipboard-ready text output