

**Summary:**

A software developer with hands-on experience in full-stack web development. Skilled in building responsive web apps, creating RESTful APIs, and working with databases. Quick learner with a problem-solving mindset, eager to contribute to impactful tech solutions.

**Education:**

**SRM Institute of Science and Technology - Chennai**

B.Tech Biomedical Engineering

CGPA - 7.8

Year: June 2020 – July 2024

**Projects:****Portfolio Website**

- Developed and deployed a responsive portfolio website using HTML5, CSS3, JavaScript, and React.js
- Hosted on GitHub Pages for seamless accessibility.

**Cortexa AI**

- Developed a chatbot (CortexaAI) using Node.js, Express.js, and OpenRouter API, integrating 300+ AI models (GPT-4, Claude, Gemini, LLaMA, Mistral).
- Built modular architecture with conversation memory, model fallback chains, cost tracking, and structured error handling for reliability and scalability.
- Implemented dual interfaces (CLI & Web) with secure APIs, logging (Winston), and middleware (Helmet, CORS) to ensure professional-grade usability and deployment readiness

**Eye Ball Movement Tracking**

- Built Real-Time Eye-Tracking: Developed a Python-based eye-tracking system using OpenCV, detecting eye movements and calculating gaze angles with a Perimetry chart.
- Automated Excel Data Logging: Implemented data storage using open pyxl to record left/right eye angles with timestamps in Excel for analysis.
- Advanced Gaze Detection: Applied image processing (thresholding, contour detection) for accurate real-time gaze tracking and visualization.

**Nursery Farm Website**

- Built Nursery Website: Designed a professional website to promote premium greenhouse seedlings, highlighting wholesale prices and quality.
- Enhanced Client Interaction: Implemented an interactive contact form to streamline bulk order inquiries and improve engagement.
- Deployed Responsive Site: Launched a responsive website, ensuring a seamless experience across devices for potential client

**Technical Skills:**

**Programming:** Python

**Web Development:** HTML, CSS, Javascript

**Libraries & Frameworks:** FastAPI, Flask, NumPy, Pandas, and simple ML models (scikit-learn)

**Databases:** MySQL

**Development Tools:** VS Code, Github

**Google Workspace:** Google docs, sheets, slides

**Contact details:**

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**Portfolio:** <https://deekshithr97.github.io>