T. Lok Avinashh

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SKILLS

Languages: Python, HTML, CSS, JavaScript, Java, MySQL, PostgreSQL, MongoDB

Technologies & Tools: TensorFlow, PyTorch, Keras, OpenCV, React, Next.js, MERN, Firebase, AWS, Google Cloud, Docker, Git, Jupyter Notebook, VS Code, Tableau, Postman

EDUCATION

Prince Dr. K. Vasudevan College Of Engineering And Technology   **B.Tech — AI & Data Science (2026)**
CGPA: 7.96
Relevant Coursework: Machine Learning, Deep Learning, Data Structures, Algorithms, Web Development, App Development, Natural Language Processing.

Prince Srivari Senior Secondary School   **HSC(2022)**
Percentage: 70%
Completed Higher Secondary Education with a strong foundation in Science and Mathematics.

Prince Srivari Vidyalaya   **SSLC (2020)**
Percentage: 79.2%
Successfully completed SSLC with strong academic performance.

WORK EXPERIENCE

Elimai.ai (EMCEE Technologies) — Backend Engineer Intern   **June 2025 – November 2025**
Worked on backend development for healthcare-focused AI applications and internal automation systems. Key contributions include:

- **Shravan — Speech-to-Text Web App:** Developed the entire web application from scratch. Designed the backend to analyze call recordings, generate sales pitch insights, and recommend actionable improvements for sales teams.
- **Apollo Spectra — Process Automation:** Played a major role in automating reporting workflows for Apollo Spectra Hospitals. The solution was deployed in production, and I also served as a support engineer to maintain and enhance system performance.
- **Project OBIN — Credit Memo Generation:** Contributed to building a RAG-based AI model trained to automatically generate credit memos tailored to specific companies.

PROJECT WORK

Virtual Pharmacy — AI-Powered Medicine Recommendation System   *Web App*

- Developed an intelligent virtual pharmacy system that suggests medicines based on symptoms and disease analysis.
- Trained an ML model on a symptoms–medicine dataset using suitable algorithms for accurate predictions.
- Built an end-to-end web application, integrating the model for real-time recommendations.
- Live Demo: `virtual-pharmacy.onrender.com`

Advanced ECG Analyzer — Gemini API Based Diagnostic Tool   *Web App*

- Developed a Streamlit-based web app for real-time ECG analysis as part of the Google Solution Challenge Hackathon.
- Enabled users to upload ECG images or PDFs to get AI-generated insights, detect abnormalities, and compare with past records.
- Integrated Gemini API for medical reasoning and anomaly detection.
- GitHub: `github.com/lokavinashh2004/Ecg-Analysis-GDG_Hackathon`

GDG Exam Portal — Secure Online Test Platform   *FullStack Web Application*

- Built a secure and responsive web platform for conducting GDG Ambassador online exams.
- Implemented navigation restrictions, a 3-warning violation system, and AI-powered analytics for enhanced exam integrity.
- Developed the frontend using React.js and backend logic using Python and Firebase.
- Deployed on Netlify for seamless cross-device access.
- GitHub: `github.com/lokavinashh2004/gdg-online-exam`

CERTIFICATIONS

- Google Cloud Gen AI Certificate (2023)
- 3-Day App Development Workshop (2023)
- Data Science Workshop — Sathyabama University (2023)
- AI & Machine Learning Specialization (2023)

ACHIEVEMENTS

- 2nd Place — St. Joseph College AI Competition (2023)
- 3rd Place — Frontend Development Competition, Sairam College (2022)
- Served as a Google Developer Groups Tech Lead (2024), guiding over 300 students in building AI-based web applications for the Google Hackathon.

LEADERSHIP & ACTIVITIES

- Google Developer Groups — Tech Lead (2022–Present)
- Designed UI/UX and developed college websites and web apps

INTERESTS

Artificial Intelligence Research, 3D Modeling & Animation, Web Development, Playing Cricket & Chess, Solving LeetCode Problems, Competitive Programming, Cloud Computing.