

MITHRA N GOWDA

Bengaluru, Karnataka 560059

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Education

R V College of Engineering

BE in Information Science and Engineering

CGPA: 9.10

Aug 2023 – 2027

Bengaluru, Karnataka

Sri Sathya Sai Loka Seva PU College, Alike

PUC - PCMB

Percentage: 97.77

Sep 2021 – March 2023

Dakshina Kannada, Karnataka

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Data Science
- Web Development
- Operating Systems
- Computer Networks

Experience

Schneider Electric

Software Development Intern

July 2025 – Present

Bengaluru, Karnataka

- Collaborating in a team of 4 members under the guidance of a Senior Architect.
- Developing a prototype for detecting errors in a home automation system using event sourcing logs and AI.
- Collecting large-scale sensor and system event data, including deliberately introduced faults, to train AI models for anomaly detection and corrective action recommendations.
- Integrating AI with system code access to enable autonomous optimization, real-time decision-making, and providing suggestions for detected errors.

Projects

College Match | Python, HTML, CSS, JavaScript, Django, SQLite, Twilio

Feb 2025

- Developed a web app using Django for KCET counseling aspirants, designed to produce a personalized list of colleges.
- The data of previous year's cutoffs, used to recommend colleges, is stored in SQLite.
- The app aims to reduce the need for personal counselors by allowing current college students to interact with users and provide information about their college.

AI-Powered Smart Glasses for Glaucoma Detection | Flask, Tensorflow, Next.js, CSS, ESP32, Sensors

Mar 2025

- Smart glasses built with a high-speed camera and sensors using ESP32/SDM microcontroller to measure intraocular pressure (IOP) and cup-to-disc ratio.
- Sensor data is sent to a TensorFlow-based ML model, and predictions are used by the Gemini API for automated report generation.
- User interface developed using Next.js and CSS, with Flask and TensorFlow handling backend processing and model inference.

Technical Skills

Languages: Python, C, C++, HTML/CSS, Matlab

Backend Technologies: Django, Flask

Tools and Frameworks: Linux, GitHub, Power BI, ThingSpeak

Leadership / Extracurricular

National Service Scheme

Volunteer

Jan 2024 – Present

RVCE

- Engaged in community service initiatives by organizing and contributing to blood donation camps, cleanliness drives, and awareness programs, fostering social responsibility and civic engagement.

Achievements

VTU State level Volleyball Competition Winners

Feb 2024

Runner up - Avinya 2025 National Level Hackathon

Mar 2025