Mithra N Gowda

Bengaluru, Karnataka 560059
9740569178 mithrangowda01@gmail.com linkedin.com/in/mithra-n-gowda github.com/mithrangowda07

Education

R V College of Engineering **Aug 2023 – 2027**
BE in Information Science and Engineering *Bengaluru, Karnataka*
CGPA: 9.11

Sri Sathya Sai Loka Seva PU College, Alike **Sep 2021 – March 2023**
PUC - PCMB *Dakshina Kannada, Karnataka*
Percentage: 97.77

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Data Science
- Web Development
- Operating Systems
- Computer Architecture
- Database management

Projects

AI-Powered Smart Glasses for Gloucoma 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.

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.

Water Monitoring System | *Raspberry Pi, Water Flow Sensor, Python, Django, Twilio, Smtplib, ThinkSpeak* **Dec 2024**

- Developed a Water Monitoring System leveraging IoT technologies to optimize water usage and mitigate wastage, using Raspberry Pi, water flow sensors, and Twilio.
- It sends instant alerts via Twilio's communication API to notify users about abnormal water usage or potential issues.
- The project integrates Python-based visualization tools and the ThingSpeak platform to provide actionable insights and track water consumption trends.

Technical Skills

Languages: Python, C, C++, HTML/CSS, Matlab, SQLite
Backend Technologies: Django, Flask
Frameworks: Linux, GitHub

Leadership / Extracurricular

Atal Tinkering Lab **Jun 2018 – Mar 2021**
Member *SSVK Chokkady*

- Actively collaborated in Atal Tinkering Lab (ATL), contributing to the development of innovative solutions by building prototypes and working models using robotics, IoT, and 3D printing technologies.

National Service Scheme **Jan 2024 – Present**
Volunteer *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