Gokul J

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OBJECTIVE

Aspiring Electronics and Communication Engineer with a strong foundation in Circuit design, Embedded systems, Signal Processing, Microcontroller programming and AI. Seeking opportunities to leverage technical and leadership skills in innovative projects.

EDUCATION

Bachelor of Technology - Electronics And Communication Engineering (Expected 2026)

Karunya Institute Of Technology And Sciences   *CGPA: 9.04*

High School (2020-2022)

Evangeline Matriculation Higher Secondary School   *Percentage: 92.33*

SKILLS

Technical Skills:	Circuit Design, PCB, VLSI, Embedded System, Machine Learning, Deep Learning Docker, Linux
Programming Languages:	Python, C, C++, MatLab
Soft Skills:	Public Speaking, Team Work, Leadership

PROJECTS

Pedometer

- Built a tool to count the number of steps taken by Athletes.
- **Tech Stack:** Arduino Nano, PCB board, ADXL 335 Accelerometer, LCD display, I2C communication module

Gas Leakage Sensor

- Built a tool to detect gas leakage in households and alert the people.
- **Tech Stack:** Arduino UNO, Buzzer, LCD Display, MQ2 Gas Sensor

Automatic Fire Extinguisher

- Built a tool to extinguish fire automatically through the control of water pump.
- **Tech Stack:** LM 741 op amp, Thermistor, Transistor, potentiometer, Resistors, Water pump

Voice Translation With Cloning

- Built a tool which can convert the spoken audio from other languages to English with user voice replication.
- **Tech Stack:** Python, OpenAI's Whisper Model, Gradio Interface

ACHIEVEMENTS

- Participated in Introduction to chip design Ecosystem Webinar (October'22)
- Participated in AR Filters Workshop (February'23)
- Participated in Artificial Intelligence Virtual program by Cognizant (June'23)
- Secured Elite rank in Nptel Exam (October'23)
- Secured first rank in the ECE department during the third semester with 9.63 SGPA (April'24)

COURSE COMPLETIONS

- Introduction To IOT by Cisco Networking Academy (October'22)
- Java Programming by Great Learning (October'22)
- Basics of Machine Learning by Great Learning (October'22)
- Introduction to Cyber security by Cisco Networking Academy (September'22)
- Cloud Computer Architecture by Great Learning (October'22)
- Cadence Certified C++ Fundamentals (August'23)
- C programming Demystified : Unlocking the power of C (September'23)
- Mastering C++ Fundamentals for Proficient Programming(September'23)
- Python in Kaggle (September'23)
- Intro to Machine Learning in Kaggle (September'23)
- Technical English for Engineers by Nptel (October'23)
- Introduction to Machine Learning by Nptel (April'24)

EXPERIENCE

- **IOT Intern**, Techvolt Software, Coimbatore (June 2023)
  - Developed IoT applications using Arduino and Nodemcu
  - Worked on integrating sensors and actuators for smart home projects
- **Artificial Intelligence Intern**, YBI Foundation (September 2023)
  - Assisted in developing AI models for various tasks
  - Conducted data analysis and pre-processing for machine learning projects
- **AI Club Member**, Karunya Hacks (September 2023 - Present)
  - Participated in hackathons and coding challenges
  - Collaborated with team members on AI and ML projects
- **Coordinator**, AI Forge Hackathon, Khacks (March 2024)
  - Organized and managed hackathon logistics and participant coordination
  - Facilitated mentoring sessions during the event

EXTRACURRICULAR ACTIVITIES

- Member of the NSS(National Service Scheme) Club at Karunya Institute of Technology and Sciences
- Volunteered at various college events and technical fests