Monish S
B. E Electronics and Communication Engineering
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Leetcode |Github | LinkedIn

Examination	University	Institute	Year	CGPA (%)
Graduation	Anna University	Karpagam College of Engineering	2026	7.35
HSC	State Board	Kumarappa Chettiar Memorial	2022	7.02
SSLC	CBSE	Mount Zion Academy	2020	7.22

SKILLS SUMMARY

Languages:C,Python, Java

Tools : MySQL

Platforms : Visual Studio Code

Soft Skills : Good Communication, People Management

KEY PROJECTS

Event Booking System
Team Project | [November, 2023]
- Developed an **event booking system** for concert tickets using **HTML** and **CSS**.
- Designed a user-friendly interface for event selection, ticket booking, and payment confirmation.
- Created responsive layouts to ensure accessibility across various devices (mobile, tablet, desktop).
- Integrated forms for user input and dynamic content display (e.g., available seats, event details).
- Used **Visual Studio Code** as the development environment to write clean, maintainable code.

Technologies: HTML, CSS, Visual Studio Code
Skills: Front-End Development, Web Design, Responsive Layouts, User Interface (UI) Design

Solar-Powered Inverter System with Battery Storage

Team Project | [June,2024]

- Designed and developed a solar-powered inverter system that uses a microcontroller to manage energy flow between a solar panel, battery storage, and inverter.
- Programmed microcontroller to monitor battery voltage, control charging cycles, and ensure safe power conversion from DC to AC.
- Implemented energy optimization and safety features to prevent overcharging and deep discharge of the battery.
- Tested system performance under various conditions, ensuring reliable operation and energy efficiency.

Technologies: Arduino, Solar Panel, Inverter, Battery, C/C++
Skills: Microcontroller Programming, Power Electronics, Energy Systems, Circuit Design

Automatic Fire Chaser and Extinguisher
Team Project | [November, 2024]

- Designed and built an automated fire detection, chasing, and extinguishing system using an **Arduino Uno**.
- Integrated flame and smoke sensors to detect fires and activate a motorized mechanism to chase the fire.
- Programmed the Arduino to control servos or motors that direct the extinguishing agent (e.g., water or CO2) to the fire source.
- Developed safety algorithms to ensure efficient fire detection and automatic response to prevent fire escalation.
- Tested system performance in various environments to ensure quick response and reliability.

Technologies: Arduino Uno, Flame Sensor, Smoke Sensor, Servo Motors, C/C++
Skills: Embedded Systems, Sensor Integration, Automation, Problem Solving, Circuit Design

CERTIFICATIONS

• Completed Python Course	*[Sep '23]*
• NPTEL Course on Soft Skill Development.	*[Mar'23]*
• Completed C programming boot camp	*[Jul '24]*
• Completed workshop on Machine learning	*[Apr'23]*
• NPTEL Course on Microprocessor and Microcontroller	*[Jan'24]*
• NPTEL Course on Introduction to Internet of Things	*[Oct '24]*
• Completed workshop on IOT(Internet of Things)*	*[Mar '24]*
• Completed workshop on Intelligent sensors	*[Mar '24]*

INTERNSHIP

Python Intern
BYTS India Limited | [June, 2023] – [July, 2023]

- Completed a 1-month internship focused on Python programming, where I gained hands-on experience with data structures, algorithms, and Python libraries.
- Worked on real-world projects involving automation, data analysis, and problem-solving using Python.
- Enhanced understanding of software development best practices, debugging, and version control.

Skills: Python, Data Structures, Algorithms, Problem Solving, Automation

EXTRA-CURRICULAR ACTIVITIES

Technical

- Actively practicing DSA problems in Leetcode | 70+ solved
- Actively practicing DSA problems in Geeks for geeks|50+solved
- Actively practicing Java problems in Codechef |50+
  In HackerRank:
- Python: 4 stars (Ranked based on problem-solving performance
- C: 1 star (Ranked based on problem-solving performance)
- Java: 1 star (Ranked based on problem-solving performance)

Languages

- Completed six Hindi Written Examination.
- Completed six Hindi Spoken Examination
- Dakshina Bharat Hindi Prachar Sabha,Madras

Social

Member, IEEE (Institute of Electrical and Electronics Engineers)
September 2022 – Present

- Participated in workshops, technical seminars, and webinars on emerging technologies.
- Helped organize tech events and hackathons, fostering student engagement with engineering topics.

 Volunteer, Youth Red Cross
March 2021 – Present

- Volunteered in community health campaigns, including blood donation drives and disaster relief operations.
- Promoted safety and wellness by assisting in organizing awareness sessions on public health.