

GEETHA M K

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Education

MVJ Collage of Engineering

Bachelor of Engineering

Major in Electronics and

Communication Cumulative GPA:

7.44/10

Sep 2022 - Jun 2026

Jnana Bharathi PU Collage

Percentage: 80%

Jul 2020 - Jul 2022

Skills

- Programming Languages: Python
- Frameworks : Flask
- Database Technologies: SQL
- Office Suites: Microsoft Office (Excel, Word, PowerPoint)
- Circuit Design
- Analysis Analog and Digital Electronics
- VLSI Design
- C/C++ (Embedded programming)
- MATLAB (For simulations and signal processing)
- Verilog/VHDL (For FPGA and VLSI design)
- Version Tool: GitHub
- Strong Problem - Solving Skills

Projects

- **Fire Alarm System Using NODE (IOT Mini Project)**
 - The purpose of the fire service is to protect human life , our property and earth natural resources from fire and other emergencies .
 - It is proposed to utilize Arduino prototyping board which is an open source design and needs programming (based on C++) for fabricating IOT end units. with Programming, temperature sensors (LM35) output is transferred through Wi-Fi module (ESP8266) to a server .ESP8266 is the wi-Fi module used to establish a wireless TCP/IP connection .
 - A personal computer enabled with IIS service can be configured as a server with MYSQL for database certain and PHP for front end development, this server can be used to log temperature value and then the logged data is analyzed to take a decision and control multiple smart fire alarm systems on real time basis.
 - **GitHub:** <https://github.com/Geetha-MK/IOT>
- **Text To Speech And Speech to text using Google Server**
 - This proposed system provides the technique for the deaf, dumb, and blind people to communicate with each other as well as with normal peoples.
 - For blind people, the image is scanned using Logitech web camera which is converted into text, for deaf people, the voice/speech is converted into text by using an API.
 - **GitHub:** https://github.com/Geetha-MK/IOT_PROJECTS

Internship

- **Nezuware | Back-end Developer | 1 August 2024 To 31 August 2024**
- **A User authentication System and User Registration and Login System**
 - In this project, Create a user registration form with validation (e.g., email format, password strength). And Allow users to login, logout, and update their profile information.
 - Implement user authentication using sessions or tokens.
 - Using programming languages Python, Flask Framework
 - Using web Technologies HTML CSS for Web page design
 - Using Data Base SQL for Storing user Informtaions.

Certificates

- Introduction to the internet of things and embedded system
- Crash course on python
- Claude AI
- C for Beginners
- OOPs in Java
- Java Programming
- The Complete Quality Assurance Course - Learn QA from Scratch