

GEETHA M K

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CAREER OBJECTIVE

Motivated Electronics & Communication Engineering student with hands-on experience in Machine Learning models, IoT systems, and automation projects. Skilled in Python, SQL, embedded systems, and cloud fundamentals. Seeking opportunities to contribute to AI-driven product development and real-world problem solving.

EDUCATION

<ul style="list-style-type: none">MVJ College of Engineering <i>Bachelor of Engineering in Electronics and Communication</i>Jnana Bharathi PU College <i>PUC (Science Stream – PCMB)</i>	Sep 2022 – Jun 2026 <i>CGPA: 7.77/10</i>
	Jul 2020 – Jul 2022 <i>Percentage: 80%</i>

PROJECTS

- Autonomous Multitasking Rescue Robot**
IoT, Machine Learning, Embedded Systems
 - Designed an autonomous rescue robot for unmanned and hazardous zones.
 - Integrated IoT sensors to monitor heart rate, body temperature, and oxygen levels.
 - Applied ML models to analyze sensor data and detect critical conditions.
 - Enabled emergency alerts via Bluetooth and Zigbee communication.
 - **GitHub:** AMR-Robot-ML-System
- Water Demand Prediction System**
Python, Machine Learning, Data Analysis
 - Developed an ML-based system to predict future water demand for agriculture and urban areas.
 - Analyzed soil moisture, humidity, temperature, and plant age parameters.
 - Improved water resource planning using predictive analytics.
 - **GitHub:** Water-Demand-Prediction

SKILLS

Programming Languages: Python, Java, C

Frontend: HTML, CSS

Database: SQL

HDL: Verilog (Basic)

Cloud Tools: Basics of AWS, Google Cloud

Tools & Platforms: MATLAB, GitHub, Arduino IDE, Cadence Virtuoso, PSPICE

Soft Skills: Problem Solving, Communication

CERTIFICATIONS

- Introduction to the Internet of Things and Embedded Systems
- Crash Course on Python
- C for Beginners
- Data Structures and Algorithms