RAMNATH BUDI

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CAREER OBJECTIVE

Highly motivated and detail-oriented B. Tech student seeking an entry-level position to utilize my academic knowledge and technical skills in a dynamic organization, while continuously learning and growing professionally.

WORK EXPERIENCE

Participated in a 10-week program focused on embedded systems and microcontroller development. Built basic applications using MPLAB X IDE and PIC microcontrollers.
- Integrated peripherals such as sensors and displays via I2C, SPI, and UART.
- Used logic analyzer and oscilloscope for signal validation and debugging.
- Assisted in PCB design, debugging, and prototyping for custom embedded boards.

EDUCATION

B. Tech (ECE)-CGPA: 7.91   2022 – 2026
Pragati Engineering College

INTERMEDIATE (MPC): 70%   2020 – 2022
Veda Junior College

SSC: 98%   2019 – 2020
Vikas Techno School

SKILLS

Core Skills: STLD, VLSI, FPGA, MPMC, Image Processing

Technical Skills: Python, Embedded C, MATLAB, Verilog

Data Management: Office Automation

Soft Skills: Time Management, Quick Learner

PROJECTS

AUTOMATIC RAILWAY GATE CONTROL SYSTEM

Designed and implemented an embedded system to automatically control railway crossing gates, reducing human errors and improving safety. Utilized IR sensors to detect train arrival and departure, triggering gate operation via servo motors.

FSM-BASED CONTROL SYSTEM FOR WASTEWATER TREATMENT PLANT

Developed a modular Finite State Machine Architecture in Verilog HDL to automate a 3- Stages wastewater Treatment Process

ACHIVEMENTS

- Selected for an Industrial visit to ISRO as one of 100 students from ECE Department.
- Elected as a Vice President IoT of club at Pragati Engineering College.
- Certification of Appreciation for outstanding contribution as a coordinator in 2- Days workshop "IoT unplugged - from Basics to Hands on Mastery".
- Awarded with appreciation certificate for active participation as an Event Coordinator in Technical Fest E-jive organized by ECE Department at Pragati Engineering College.

CERTIFICATES

- Google Cloud Career Launchpad Cloud Engineer track-Google
- Introduction to Internet of Things-edx
- Google AI-ML Virtual Internship AICTE