Bhadri Naga Chandana

+91 6300650956　　chandanab6300@gmail.com　🏠 Bengaluru, Karnataka

in linkedin.com/in/nagachandana　 github.com/chandana

Profile

Motivated Electronics and Computer Engineering (ECE) student with hands-on experience in circuit design, embedded systems, and software development. Proficient in MATLAB, C, and Python, with a strong foundation in digital signal processing and control systems. Adept at problem-solving and eager to contribute to innovative projects in a dynamic engineering environment. Passionate about leveraging technical skills to drive advancements and solve real-world challenges.

Areas of Expertise

MATLAB - Python - C - Verilog - Control Systems

Online Courses & Certifications

- Object Oriented Programming in C++ (Jan. 2024) - MATHWORKS

- MATLAB ONRAMP (2023) MATHWORKS

Education

BE in Electrical and Communication Engineering
JSS Academy of Technical Education, Bengaluru, Karnataka   2022 – 2026

Relevant Courses: Circuit Design, Embedded Systems, Digital Signal Processing, Control Systems, MATLAB, C, Python

PUC (Pre-University)
Narayana Junior College, Anantapur, Andhra Pradesh   2020 – 2022

Work Experience

Intern, Emertxe Information Technologies
Bengaluru, India   01/2025 – 02/2025

- Collaborated on real-time embedded system development.

- Enhanced skills in microcontroller programming and simulation tools.

Projects

Microwave Oven Project – Emertxe Information Technologies
Bengaluru, India   01/2025 – 02/2025

- **Objective:** Developed a microwave oven control system using embedded programming and simulation.

- **Technologies:** MPLAB X IDE, PICSimLab, PIC microcontroller.

- **Outcome:** Simulated full embedded functionality including UI, timing, and power control; enhanced skills in microcontroller programming and system design.

Design and Implementation of RISC-V Processor
Remote   09/2024 – 12/2024

- **Objective:** Designed and simulated a simplified 32-bit RISC-V (RV32I) processor using Verilog and Iverilog, implementing core components like ALU, control unit, register file, and instruction memory.

- **Technologies:** Verilog, Iverilog, GTKWave.

- **Outcome:** Implemented instruction execution for arithmetic, logic, and branch operations in a single-cycle architecture; validated functionality using testbenches and waveform analysis.

Certifications

- Internship at Emertxe Information Technologies

- Infosys Springboard: Pragathi - Path to Future (Cohort 3)

Skills

- **Data Visualization:** Excel

- **Digital Marketing:** Project Management, Social Media Optimization, Content Writing, Campaign Analysis & Reporting, PPC & SEM Strategies, CRO, PPC Advertising

- **Software:** MS Project, Adobe Photoshop, Audition, Canva

- **Soft Skills:** Presentation, Planning, Organized, Creative Problem-Solving, Teamwork, Active Listening, Adaptability, Analytical Thinking

Extracurricular Activities

National Entrepreneurship Challenge (NEC), (E-Cell IIT Bombay)
Mumbai, Maharashtra   08/2024 – 12/2024

- **Objective:** Gaining hands-on experience in entrepreneurship by developing and pitching innovative business ideas.

- **Outcome:** Organized Aadi Antha Prerna, a startup pitch competition, and enhanced entrepreneurial and leadership skills.

Pragathi: The Path to Future (Infosys Springboard)
Bengaluru, Karnataka   11/2024 – 03/2025

- **Objective:** Engaging in a 12-week career development program focused on digital skills and career readiness.

- **Outcome:** Gained critical thinking, analytical abilities, and professional mentorship through online and offline sessions.

Languages

- **English** [Proficient]

- **Hindi** [Beginner]

- **Kannada** [Beginner]

- **Telugu** [Native]