

AHIRAJ K

ECE UNDERGRADUATE

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Linkedin | GitHub | Portfolio

PROFESSIONAL SUMMARY

Electronics and Communication Engineering undergraduate currently learning digital electronics, embedded systems, and front-end web development. Exploring hardware coding with Verilog and Embedded C on 8051 microcontrollers. Eager to apply academic skills to real-world projects and gain hands-on experience in VLSI design and full-stack development.

EDUCATION

Bachelor of Technology in Electronics and Communication Engineering

Rajiv Gandhi Institute of Technology (RIT), Kottayam

2023 – Present

Higher Secondary in Computer Science

Sevamandir Post Basic HSS, Ramanattukara

2020 – 2022

TECHNICAL SKILLS

• Programming Languages

C / C++ | Python | MATLAB | Assembly | Embedded C | HTML | CSS | Verilog

• Software & Tools

Git | GitHub | VS Code | Arduino IDE | Keil uVision | TINA | Xilinx Vivado | Photoshop | Illustrator | Figma

• Soft Skills

Teamwork | Communication | Problem-solving | Time Management | Adaptability | Quick Learner

PROJECTS

• **Digital Lock System (Verilog):** Designed a 4-bit comparator lock with unlock, alarm, and reset features; implemented and tested using Vivado.

• **Laser Security System (8051 & Embedded C):** Developed a prototype that activates alerts upon laser beam interruption; programmed using Embedded C for hardware-software integration.

• **Personal Portfolio Website:** Built a responsive single-page application with five sections using Next.js and Tailwind CSS; implemented smooth navigation and dynamic transitions to enhance user experience.

EXPERIENCE

• Volunteer, Career Guidance & Placement Cell (CGPC) – Rajiv Gandhi Institute of Technology

Organized mock interviews, workshops, and coordinated campus recruitment activities.

• Volunteer, National Service Scheme (NSS) – Rajiv Gandhi Institute of Technology

Participated in community outreach programs, including surveys, blood donation camps, and campus cleaning.

• Event Volunteer (Media & Coordination) – Rajiv Gandhi Institute of Technology

Assisted in organizing campus events by coordinating various activities and contributing to media-related tasks.

ADDITIONAL INFORMATION

• **Languages:** English, Malayalam

• **Interests:** VLSI design, UI/UX, Front-end development, open-source contributions