

Job Description: Design Engineer (Student Role)

We are looking for a highly driven Design Engineer who can independently build products from minimal guidance. This role is ideal for 3rd or 4th year engineering students who are passionate about hands-on development, rapid prototyping, and leveraging modern AI tools.

Key Responsibilities

- 1 Translate abstract ideas into functional product prototypes
- 2 Work with development modules (microcontrollers, sensors, etc.)
- 3 Develop and integrate software and firmware
- 4 Rapidly prototype and iterate designs
- 5 Use AI tools to accelerate development and debugging
- 6 Collaborate with cross-functional teams when needed

Required Skills

- 1 Strong fundamentals in electronics, embedded systems, or related fields
- 2 Experience with firmware development (Arduino, ESP, STM, etc.)
- 3 Basic software development skills (Python, C/C++, etc.)
- 4 Hands-on experience with prototyping tools and hardware modules
- 5 Ability to work with minimal supervision

Preferred Skills

- 1 Experience using AI tools for coding, debugging, or product building
- 2 Exposure to IoT, robotics, or automation projects
- 3 Understanding of product design lifecycle

Eligibility

- 1 3rd or 4th year engineering students
- 2 Background in ECE, EEE, Mechanical, Mechatronics, or related fields