



भारतीय प्रौद्योगिकी संस्थान इंदौर

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IIT Indore

Advertisement for an IoT Engineer (Multiple levels) at Charak Center for Digital Healthcare.

The Charak Center for Digital Healthcare at IIT Indore is looking for an IoT engineer who can drive the technological advancement of our digital healthcare products. Candidates should deeply understand IoT and how sensors, Artificial Intelligence (AI), and healthcare intersect. You will be responsible for designing, developing, and fabricating data collection mechanisms for various healthcare products at the center. If you are a professional with a passion for working with IoT and enjoy being on an innovative team at the forefront of cutting-edge technology, we encourage you to apply.

Key job responsibilities & preferred skills :

- Design, code, and test sensors that enhance our products and transmit data for storing and analyzing.
- Support design and development of data collection pipelines
- Practical knowledge of cloud platforms, wireless transmission, and algorithm development.
- In-depth understanding of how different sensors work and transmit data.
- Knowledge of the basics of user experience (UX) and user interface (UI) design.
- Expertise in coding and programming languages, such as JavaScript, Python, and Swift.
- Commitment to product security, privacy, data protection, and retrieval knowledge.
- Strong written, communication, and analytical skills.
- Proficiency in programming languages such as C, Embedded C, C++, and Python.
- Familiarity with operating systems including Linux (Command Line Interface), Real-Time Operating Systems (RTOS), and Robot Operating Systems (ROS).
- Experience with IoT protocols such as OPC UA, MQTT, Modbus (RTU/TCP), CoAP, and AMQP.
- Knowledge of controllers such as ARM, Atmel, Atmega, RPi, and STM32.
- Understanding of communication protocols including SPI, I2C, UART, RS232/RS485, CAN, GSM & GPS, and Wi-Fi.
- Familiarity with AWS services, particularly EC2 Instances.

Essential Qualification:

- Bachelors or Masters in relevant departments.

Duration:

- 2 months probation, followed by 1 year contract with renewal based on performance.

Emolument:

- As per industry standards based on education qualification, experience, and performance in the interview.

Application Last Date:

- Rolling basis. Shortlisting will be done frequently as soon as enough applications are available.

How to apply :

- Interested candidates may apply here <https://forms.gle/1YWzwFKm1kHaRNKS9>.