



# Jainendra Singh

Project Engineer

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Dynamic Project Engineer at IIT Kanpur, specializing in IoT and application development. Proven ability to design and implement innovative solutions, optimizing project timelines and resource allocation. Skilled in cybersecurity and database management, with a strong focus on enhancing user experience through advanced technologies. Collaborative team player committed to driving project success.

## SKILLS

- IOT Development
- Cybersecurity
- Java
- Embedded Systems
- AR/VR development
- Application Development
- AI & Machine Learning
- Server Development
- Database Management
- Flutter

## EXPERIENCE

### Project Engineer

IIT Kanpur, Kanpur, Uttar Pradesh

Oct 2024 - Present

- Company Overview: Dynamic Project Engineer at IIT Kanpur, specializing in IoT and application development. Proven ability to design and implement innovative solutions, optimizing project timelines and resource allocation. Skilled in cybersecurity and database management, with a strong focus on enhancing user experience through advanced technologies. Collaborative team player committed to driving project success.
- Monitored and tracked project progress to support completion on time and within budget.
- Developed detailed work plans, schedules, project estimates and resource plans.
- Collaborated with team members to define scope, timeline, deliverables and resources needed to complete each task effectively.
- Designed and implemented IoT-based solutions for real-time data collection and processing.
- Developed and maintained secure server infrastructures to support seamless application performance.
- Conducted testing, debugging, and optimization of applications to enhance functionality and user experience.
- Dynamic Project Engineer at IIT Kanpur, specializing in IoT and application development. Proven ability to design and implement innovative solutions, optimizing project timelines and resource allocation. Skilled in cybersecurity and database management, with a strong focus on enhancing user experience through advanced technologies. Collaborative team player committed to driving project success.

### Clifford Chance Cyber Security Job Simulation

IIT Kanpur, Kanpur, Uttar Pradesh

Jan 2021 - May 2024

- Completed the Clifford Chance job simulation where I assisted various clients with legal issues relating to cyber breaches.
- Provided guidance about responding to an ICO Dawn Raid to the managing partner of a rapidly growing online travel company.
- Assisted a major eCommerce business to notify stakeholders about a data breach in accordance with the GDPR.
- Formulated defensive strategies for a client with data centre operations to appropriately respond to a data breach.

### Recent Work

Startup, Kanpur, Uttar Pradesh

Oct 2024 - Present

- **IoT Code Development:** Led end-to-end development of IoT firmware and software for smart breaker guards, enabling real-time remote monitoring/control via mobile/web interfaces.
- **Cloud Server Management:** Configured and maintained scalable cloud infrastructure for secure data transmission, storage, and system reliability.
- **Cross-Platform App Development:** Built user-friendly applications with RESTful APIs for seamless integration of circuit breakers, sensors, and automation protocols.
- **Safety & Automation:** Implemented automated alerts (SMS/email) and role-based access controls to prevent unauthorized tampering and enhance electrical safety.
- **IoT Device Integration:** Unified diverse hardware (sensors, switches) and protocols (MQTT, HTTP) to optimize panel security and operational efficiency in industrial/commercial setups.

## EDUCATION

### M-Tech in Computer Science and Engineering

Central University of Haryana

Sep 2024 3/2007

### Bachelors of Technology in Information Technology

Chhatrapati Shahuji Maharaj University

Jul 2022 3/2007

### Intermediate in Computer Science

Wendy High School

May 2018 3/2007

### High School in Science

Kendriya Vidyalaya IIT, Kanpur

Jul 2016 3/2007

## CERTIFICATIONS

- Software and Application Development of Startup- Breaker Guard, 09/01/24
- Ethical Hacking Using Python, 05/01/18
- Clifford Chance Cyber Security Completion Certificate, 03/01/07
- Goldman Sachs Software Engineering Completion Certificate, 07/01/22
- JPMorgan Chase & Co. Cybersecurity Completion Certificate, 03/01/07

## LANGUAGES

### English

Bilingual

### Hindi

Fluent

## VOLUNTEER EXPERIENCE

### Project Engineer

IIT Kanpur, Kanpur, Uttar Pradesh

Oct 2024 - Present

- Monitored and tracked project progress to support completion on time and within budget.
- Facilitated quality control inspections to ensure that all engineering standards were met.
- Collaborated with team members to define scope, timeline, deliverables and resources needed to complete each task effectively.