

# SNEHASHISH KASHYAP

skboy963@gmail.com | +91 96787 60207 | github.com/Snehashish-Kashyap | linkedin.com/in/snehashish-kashyap

## Objective


Aspiring Software Engineer skilled in Java, Python, React.js, SQL, and IoT. Experienced in full-stack development, RESTful APIs, AI/IoT solutions, and cloud deployment. Strong foundation in data structures, algorithms, Agile methodologies, and problem-solving. Seeking opportunities in software engineering or full-stack roles.

## Education

<b>B.Tech in Computer Engineering</b> , <i>University of Engineering &amp; Management, Jaipur</i>	2026
<b>Class XII (CBSE)</b> , <i>Kendriya Vidyalaya, Namrup</i>	2022
<b>Class X (SEBA)</b> , <i>B.V.F.C Model H.S School, Namrup</i>	2020

## Projects

### Smart Railway Track Fault Detection System

- Developed an IoT-based safety system using ESP32, GPS, vibration sensors, Firebase Realtime Database, and Twilio API.
  - Implemented real-time fault detection and SMS alerts, reducing inspection time by 40% and improving safety monitoring.
  - Built a Google Maps dashboard for visualizing live fault locations with Firebase integration.
- GitHub: [github.com/Snehashish-Kashyap/smart\\_railway\\_track\\_fault\\_detector](https://github.com/Snehashish-Kashyap/smart_railway_track_fault_detector) 

### J.A.R.V.I.S - AI Voice Assistant

- Designed a Python-based AI assistant with OpenAI GPT API, Speech Recognition, and Automation modules.
- Enabled features like web search, reminders, and system control via voice commands, improving task efficiency.
- Built with a modular architecture, allowing easy addition of new skills/features.

### Online Medical Platform

- Created a responsive web application for secure doctor-patient communication using HTML, CSS, JavaScript, and Firebase.
- Integrated Firebase Authentication and Realtime Chat, ensuring secure login and fast communication.
- Deployed a scalable backend capable of handling multiple concurrent users for remote healthcare access.

## Technical Skills

- Programming Languages:** Java, Python, C, JavaScript
- Web Development:** HTML5, CSS3, React.js
- Databases & Cloud:** MySQL, Firebase, AWS (S3, EC2)
- IoT & APIs:** ESP32, GPS, Vibration Sensors, Twilio API, REST APIs
- Tools & Platforms:** Git, GitHub, Agile, VS Code, IntelliJ IDEA
- Soft Skills:** Problem-Solving, Team Collaboration, Communication, Adaptability

## Experience

### Participated in, Hackathons

- Finalist – Ace Hack 1.0
- Participant – HackUEM , Ace Hack 2.0 & 3.0

### Project-based Software Developer, Smart Railway Track Fault Detection project

- Collaborated with a 2-member team to design IoT algorithms for real-time fault detection.
- Reduced manual inspection needs by 40% through automated monitoring.
- Integrated GPS and Firebase to log and display faults on a Google Maps dashboard.

## Courses and Certifications

- Introduction to Industry 4.0 and Industrial IoT (NPTEL, 2025)
- Soft Skill Development (NPTEL, 2025)
- Introduction to IoT (NPTEL, 2024)
- Programming in Java (NPTEL, 2024)
- Problem Solving through C (NPTEL, 2024)
- The Joy of Computing using Python (NPTEL, 2023)

## Languages

English, Hindi, Bengali, Assamese