

# Aashutosh Baitha

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I believe in the power of empowering the individual and institutions with the help of technological advancement. With the background in coding and hardware integration, I see the changing landscape of technological revolution to be of great assistance to increase the productivity in every segment of society. I am passionate about my career as the computer scientist and I strive to do more in the world to the best I can.

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## EDUCATION

### **Bachelor of Technology in Internet of Things (IoT) | Jain University, Bangalore**

Aug 2020 – Sep 2024

- Specialized coursework: IOT, Edge Computing, Machine Learning for IoT, Embedded Systems
  - CGPA: 8.829 | GPA: 3.5
  - Leading Member of the “Quake Guard Insight: A Machine Learning System with IoT” project.
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## EXPERIENCE

### **Research Assistant | Jain University**

- Worked under Dr. Shreenidhi H.S. to optimize accelerometer data for earthquake prediction using machine learning techniques.
  - Focused on data preprocessing, feature extraction, and algorithm tuning for real-world applications.
  - Research presented at 4<sup>th</sup> ICDECS and published on IEEE Xplore.
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## PROJECTS INVOLVEMENT

### **Quake Guard Insight: A Machine Learning System with IoT**

- Led a team of four in developing an earthquake detection system integrating IoT sensors with AI models.
- Designed real-time data collection mechanisms to predict seismic activities accurately.

- Motivated and guided my team to ensure the project's timely completion while overcoming technical and logistical challenges.
- Integrated multiple types of sensors, ensuring proper calibration for accurate data collection.

### Climb Safe Navigator: IoT-Enabled High-Mountain Health and GPS Tracking

- Developed an IoT-based system for tracking climber health metrics and real-time GPS locations in extreme environments.
  - Researched and implemented safety monitoring systems for high-altitude expeditions.
  - Expanded knowledge in IoT-based health monitoring and geographical data analysis.
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## WORKSHOP AND SEMINARS

### University IoT Club – ZIGBEE CLUB (Core Member)

**Core Member of Zigbee Club** – Played a key role in organizing and leading various technical events and workshops.

**Projects in Zigbee Club** – Organized various creative workshops, programming quiz contests, and hackathons to develop innovative IoT solutions.

**Organized "You Grow Girl" Program** – Organized and participated the event collaborated with Yuva Club where **Miss Navya Nanda** was invited to empower young women in technology and leadership.

## SKILLS

- Programming Languages: Java, C, HTML, CSS, JavaScript, MYSQL, MATLAB
  - Soft Skills: MS word, MS excel, Teamwork, Problem Solving, Leadership, Observation
  - IoT Development Platforms: Raspberry Pi, Arduino, Node MCU
  - Cloud & Edge Computing: Google Cloud IoT
  - Communication & Leadership: Exceptional verbal and written skills
  - Languages: English, Nepali, Hindi
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## PROFILE LINK

<https://www.linkedin.com/in/aashutosh-baitha-51a17121a/>