

# NIHIT BARUAH

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LinkedIn | GitHub

## OVERVIEW

Computer Science undergraduate with a solid foundation in programming, data structures, machine learning, and IoT systems, complemented by internship and hands-on experience. Proficient in developing efficient applications using modern programming languages and web technologies. Strong analytical mindset with the ability to solve complex problems, work collaboratively, and contribute to scalable and reliable technical solutions.

## SKILLS

- Programming:** C, C++, C#, Python, Java, Problem-Solving
- Data & Analytics:** Data Structures, Machine Learning, Model Evaluation
- Web Technologies:** HTML, CSS, JavaScript, React, Bootstrap, API Integration
- Tools & Platforms:** Git, MySQL, SQL Server, LaTeX, Figma
- Soft Skills:** Analytical Thinking, Teamwork & Collaboration, Adaptability

## EXPERIENCE

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|--|--------------------|
| • <b>Work-Based Learning (WBL) Intern – NIELIT Kokrajhar</b>   | Feb 2026 - Present |
| – Developing an IoT-based Health Monitoring System for real-time monitoring of vital health parameters using sensors and microcontrollers.                   |                    |
| – Gaining hands-on experience in hardware integration, embedded systems programming, and wireless IoT communication.   |                    |
| – Serving as a Student Guide, assisting peers in understanding project workflows, technical concepts, and practical implementation during training sessions. |                    |
| • <b>Software Development Intern - Numaligarh Refinery Limited</b>   | June 2025          |
| – Developed an SRS document outlining 10+ functional requirements to improve system usability and workflow efficiency.                                       |                    |
| • <b>Web Development Intern - AMTRON, Guwahati</b>   | Dec 2024           |
| – Built responsive web interfaces using HTML, CSS, and JavaScript, enhancing user accessibility and cross-device compatibility.                              |                    |

## PROJECTS

### AI-Powered Emotion Tracker

- Implemented both text-based and audio-based detection modules, enabling users to interact with the system through typed as well as spoken input.
- Integrated these detection capabilities with a chatbot interface, allowing for seamless natural language processing and conversational responses across modalities.

### Portfolio Website (*Live*)

- Developed a portfolio website to showcase projects, skills, and experience using React.js.
- Features a clean, responsive design and demonstrates strong front-end development capabilities.
- Serves as a personal branding platform to highlight technical expertise.

## EDUCATION

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|--|--|
| • <b>Central Institute of Technology Kokrajhar</b><br>B.Tech in Computer Science and Engineering | 2022 – 2026 (Expected)<br><b>CGPA: 6.01/10</b> |
| • <b>Brahmaputra Valley Academy</b><br>Senior Secondary (XII) (Science)                          | 2019 – 2021<br><b>Percentage: 86%</b>          |

## LEADERSHIP

- Director General – CITK Model United Nations 2026
- Social Media Head – CITK Model United Nations 2025
- Design & Social Media Convener – Cyber X Secure Club (2023–2024)