



# BHSETTY RITHVIK

Roll No.:230151006

B.Tech - Energy Engineering

Indian Institute of Technology, Guwahati

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	7.04 (Current)	2023-Present
Senior Secondary	BIEAP Board	93.5%	2023
Secondary	ICSE Board	94.4	2021

## PROJECTS

- E-Commerce Web Platform** May. 2025 - June. 2025  
*Personal Project* Github
  - Built a full-stack **e-commerce application** with essential features like **product and category management**, **shopping cart**, and **secure checkout**.
  - Implemented **user authentication** using **JWT** (access/refresh tokens) and integrated **Stripe** for payments.
  - Used **MongoDB** for database management and **Redis** for caching to improve performance.
  - Designed an **admin dashboard** to manage inventory, apply discounts, and track **sales analytics**.
  - Styled the frontend using **Tailwind CSS** and ensured **data protection and security** throughout the application.
- Decentralized Carbon Credit Market Platform** Jan 2025 - May 2025  
*Entrepreneurship Program (EN211), IIT Guwahati* Github
  - Developed a prototype **web platform** to tokenize and trade real-world carbon credits using **blockchain technology**.
  - Carbon credits were represented as **ERC-20 tokens**, enabling transparent, tamper-proof transactions.
  - Implemented core flows including **project registration**, **tokenization**, and **buy/sell** via a user-friendly interface.
  - Integrated **MetaMask** wallet for secure login and wallet-based balance tracking.
  - Frontend built using **HTML**, **CSS**, and **React.js**; smart contracts written in **Solidity**, deployed using **Hardhat**.
- CVAlign – AI-powered CV Evaluation Platform** May 2025 - June 2025  
*Coding Club, IIT Guwahati* GitHub
  - Developed a web-based platform that automates CV screening using a **RAG** pipeline with **Hugging Face Transformers** and **LangChain**.
  - Parsed job descriptions and CVs, and generated relevance scores and **personalized feedback** for each candidate.
  - Implemented a dashboard using **FastAPI** and **HTML/CSS**, with recruiter dashboards for ranking, filtering, and comparisons.
  - Integrated **Pinecone** for vector search and **Cloudinary** for managing uploaded CVs, with **role-based access control** for different user types.
- Dracarys – Enhanced Dino Game** May 2024 - July 2024  
*GameDev Club, IIT Guwahati* Github
  - Built a feature-rich clone of Google Chrome's Dino Game in **Unity** using **C#**, integrating custom **power-ups**, dynamic difficulty scaling, and improved player mechanics.
  - Explored core game development concepts like collision detection, procedural level generation, and animation through practical implementation.

## TECHNICAL SKILLS

- Programming:** Java, C, Python, C#\*, JavaScript\*
- Web Technologies:** HTML , CSS, React.js, Node.js , Express.js
- Tools/Frameworks:** Unity, Pandas, Numpy, Matplotlib
- Blockchain:** Solidity\*, Web3.js, Ethereum\*
- Database Management:** MongoDB\*, MySQL\*

*\*Elementary Proficiency*

## KEY COURSES TAKEN

- Computer Science:** Introduction to Computing, Computing Laboratory
- Mathematics:** Linear Algebra, Basic Calculus, Complex Analysis, Partial Differential Equations
- Web Development:** Web Development Bootcamp- Dr.Angela Yu (Udemy)

## EXTRACURRICULAR ACTIVITIES

- Sports:** Represented Dihing Hostel in **Spardha** (Inter-Hostel Cricket) for two consecutive years. Participated in campus cricket leagues, including ISPL, CL, and PPL; led a newly formed team in ISPL 2025.
- Clubs and Events:** Participated in **Manthan** (Photography and Arts modules); actively engaged in events organized by **Montage** and **GameDev Club**, IIT Guwahati.