



## SAHASRANSU ACHARJYA

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## Objective

To leverage my skills in Data Science, AI/ML, and full-stack development to build intelligent, scalable, and user-centric solutions, while continuously expanding my technical depth and contributing meaningfully to innovative engineering teams.

## Education

Pursuing **B.Tech in Computer Science Engineering, BPUT Rourkela** (in-campus college) 2022 – 2026

Pursuing **Credit Linked Degree in Data Science, IIT Guwahati** 2025 – 2026

## Skills

**Programming:** C, C++, Java, JavaScript, Python, HTML/CSS

**Frameworks / Libraries:** Flask, Numpy, Matplotlib, Librosa, TensorFlow, Keras, Pandas, PyTorch, Scipy, Scikit-learn, pygame, pybrain, Node.js, Next.js, React

**Tools / Platforms:** Git, GitHub, Jupyter Notebook, Google Colab, VS Code, Figma, Arduino IDE

## Experience

### Full-Stack Web Development Intern

May 2025 – Aug 2025

ZeroCode Innovations , Remote

- Developed an invoice parser web application using Tesseract OCR to extract structured information from bills. I also explored OCR preprocessing and text extraction techniques to improve recognition accuracy.

### IoT Intern

May 2025 – Jul 2025

MindBrain Innovations, Onsite

- Developed IoT prototypes integrating sensors and microcontrollers for real-time environmental data collection. Optimized IoT data pipelines for improved system responsiveness.

### Data Analyst Intern

Jun 2024 – Aug 2024

IBM, Remote

- Analyzed large datasets to extract actionable insights using Python and SQL. Created visualization dashboards to present findings to project stakeholders.

## Projects

### Electro-Hub

<https://github.com/SahasransuAcharjya/electro-hub>

Developed an electronics e-commerce and resource website using Next.js and Node.js, ensuring scalability and enhanced user experience.

### JeevanDhara

<https://github.com/SahasransuAcharjya/jeevandhara>

Built a secure web app for blood donor and hospital management with authentication, stock tracking, reporting and an AI chatbot.

### BillBot

<https://github.com/SahasransuAcharjya/bill-parser>

Created an invoice parsing web app using Tesseract OCR (frontend HTML/CSS/JS; backend Python).

### Mask Detection using CNN

<https://github.com/SahasransuAcharjya/mask-detection-using-cnn>

A deep learning project to classify whether a person in an image is wearing a face mask or not using CNN

## Achievements & Campus Involvement

- Led the **BPUT Tech Carnival** as Secretary; coordinated 140+ colleges and 2000+ participants.
- Secured **9th rank** globally in **Hack for Her** (CreateHer Fest).