

# BISWAJIT AICH

Aspiring Computer Science Engineer | AI/ML Enthusiast | Full-Stack Developer

**Location:** Hooghly, West Bengal, India

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**Portfolio:** <http://biswajitaichportfolio.vercel.app>

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**GitHub:** <https://github.com/BiswajitAich>

## 1. PROFESSIONAL SUMMARY

Computer science engineering student with a love for the field and over 2 years of hands-on experience in AI/ML and web development. Put more than 4 AI models to work in real-world settings making backend APIs run smoother and boosting user satisfaction. Build using full stack.

## 2. EDUCATION

<b>Bachelor of Technology in Computer Science and Engineering</b>	2022- Present
Academy of Technology, MAKAUT University, Adisaptagram, West Bengal, India	
<b>Higher Secondary Education</b>	2020-2022
Vivekananda English Academy, WBBHSE, Rishra, West Bengal, India	
<b>Secondary Education</b>	2018-2020
Vivekananda English Academy, WBBSE, Rishra, West Bengal, India	

## 3. Technical Skills

**Programming Languages:** Python, JavaScript, C++, TypeScript, HTML, CSS.

**Frameworks & Tools:** Next.js, React.js, Flask, TensorFlow, PyTorch, OpenCV, HTML, CSS, Node.js.

**AI/ML Skills:** Natural Language Processing (NLP), Computer Vision, Deep Learning, Reinforcement Learning.

**AI/ML Tools:** TensorFlow, PyTorch, OpenCV, Scikit-learn

**Databases:** MongoDB, MySQL

**Version Control:** Git, GitHub

**Other:** REST APIs, Data Analysis, Software Testing

## 4. Key Projects

### Conversational Chatbot Using FLAN-T5

- ❖ Built a chatbot using FLAN-T5 to engage in contextual conversations.
- ❖ Focused on optimizing GPU/CPU resources during model training and inference.
- ❖ Technologies: Python, TensorFlow, Google Colab

### Multiplayer Rock-Paper-Scissors AI Game

- ❖ Developed a YOLO-based (object detection) AI model for playing rock-paper-scissors in real time.
- ❖ Integrated the model into a live camera-based website using lightning.ai and NextJs.
- ❖ Achieved 90% accuracy in gesture detection during testing.

### Jewellery Recommendation System

- ❖ Built a recommendation engine using cosine similarity to display relevant jewellery products.
- ❖ Deployed in a Next.js framework for a real-time user experience in e-commerce website.

## SOFT SKILLS

Strong Problem-Solving and Analytical Skills. Team Collaboration and Leadership. Self-Motivation and Time Management

## LANGUAGES

**English:** Professional Proficiency (C1).

**Bengali:** Native Speaker.

**Hindi:** Intermediate (B1)

## HOBBIES AND INTERESTS

Creating art/painting. Learning about cutting-edge technologies. Sharing technical knowledge with peers