

# Suman Biswas

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## Education

### National Institute of Technology Andhra Pradesh

Nov 2022 – Aug 2026

*B.Tech. in Computer Science & Engineering*

- **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory...

### Amarpur Bimala Agricultural Institution

Jan 2021 – Jun 2022

*Higher Secondary Education in Science (WBCHSE)*

- GPA: 8.0/10 ([HS certificate](#) 📄)
- **Coursework:** Bengali, English, Physics, Chemistry, Mathematics, Biology

### Amarpur Bimala Agricultural Institution

Jan 2021 – Jun 2022

*Secondary Education (WBBSE)*

- GPA: 8.9/10 ([MP certificate](#) 📄)
- **Coursework:** Bengali, English, Mathematics, Physical Science, Life Science, History, Geography

## Experience

### Summer School on Language and Vision with AI / ML (LAVA) 📄

Assam, In

*IIT Guwahati*

30th June – 7th Jul 2025

- Building Linear Regression and Logistic Regression algorithm from scratch
- Hands on session on Introduction to Transformers - The engine of LLMs
- Complete PyTorch image denoising pipeline implementing using MNIST dataset, train GAN using MNIST dataset
- Hands on session on Diffusion Process, Model Training, Text-to-Image Generation, Image-to-Image Generation, Text-Guided Image Inpainting, Super-Resolution
- AI Fairness 360, Meta-Algorithm for fair classification.

## Technologies

**Languages:** Python, C, Java, SQL, JavaScript, HTML, CSS, Unix

**Technologies:** DSA, OOP, Web Development, Machine Learning, Deep Learning, Gen AI, AWS Sagemaker

## Projects

### FAMESUMM - Enhancing Faithfulness in Medical Summarization 📄

- It's a AI-Powered Medical Text Summarization for Efficient Healthcare Documentation.
- Technologies Used: Python, PyTorch, Hugging Face Transformers, Natural Language Processing (NLP), Machine Learning

### AgroShield e-Commerce Website 📄

- AgroShield is a web platform designed to empower farmers and provide secure access to agricultural products and services. The platform offers features such as farmer analytics, product listings, order management, and community engagement to support the agricultural ecosystem.
- Tools Used: HTML, CSS, JavaScript

### Disease Prediction System 📄

- Disease prediction system using Python, which allows users to input a disease symptom and predicted the disease.
- Tools Used: Python, Colab