

Suman Biswas

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Education

National Institute of Technology Andhra Pradesh <i>B.Tech. in Computer Science & Engineering</i>	<i>Nov 2022 – Aug 2026</i>
Amarpur Bimala Agricultural Institution <i>Higher Secondary Education in Science (WBCHSE)</i>	<i>Jan 2021 – Jun 2022</i>
◦ Coursework: Computer Architecture, Comparison of Learning Algorithms, Computational Theory... ◦ GPA: 8.0/10 (HS certificate) ◦ Coursework: Bengali, English, Physics, Chemistry, Mathematics, Biology	
Amarpur Bimala Agricultural Institution <i>Secondary Education (WBBSE)</i>	<i>Jan 2021 – Jun 2022</i>
◦ 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) 🔗 <i>IIT Guwahati</i>	<i>Assam, In 30th June – 7th Jul 2025</i>
◦ 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