



# BIHAN BANERJEE

COMPUTER SCIENCE UNDERGRADUATE

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## EDUCATION

08/2023 - Present  
VELLORE INSTITUTE OF  
TECHNOLOGY, VELLORE

- BTech Computer Science and Engineering

04/2008 - 05/2023  
GARDEN HIGH SCHOOL

- Primary and Secondary Education

## ORGANIZATIONS

06/2024 - Present  
MOZILLA FIREFOX CLUB VIT

- Events Head

05/2024 - Present  
IEEE-CS CHAPTER VIT VELLORE

- Senior Core Member

## SOFT SKILLS

- Public Relations
- Teamwork and Leadership
- Time Management
- Effective Communication

## ACHIEVEMENTS

- Rajya Puraskar Awardee
- WSJ '19 Indian Contingent Member
- Karate Black Belt Awardee and International Medallist

## JOB EXPERIENCE

06/2025 - 07/2025  
AILABS - DATACORE (DCG GROUP)

- Engineered a real-time sentiment analysis system using Flask.
- Developed and deployed a logistic regression model with TF-IDF vectorization on IMDb dataset.
- Designed a dynamic feedback dashboard and containerized the full stack using Docker & Compose.
- Automated streaming workflows using Kafka producers and consumers for live inference.

## PROFILE SUMMARY

I am a **passionate** Computer Science undergraduate with **hands-on experience** in **full-stack development** and **cybersecurity**. Skilled in **problem-solving**, teamwork, and **quick learning**, with a **strong foundation** in software engineering and active involvement in projects and extracurriculars.

## PERSONAL PROJECTS

### Serenity Gardens

02/2025-PRESENT

Family-owned garden management platform

- Developed a feature-rich full-stack webapp to digitally showcase and manage a private garden with flora listings, visitor reviews, and multimedia galleries along with user authentication, admin controls, and a secure checkout system using cash and RazorPay payment.
- Built with React, TypeScript, MongoDB, Express, Node.js, and integrated role-based dashboards for admins and visitors

### NeuroPharm

03/2025-04/2025

AI-driven drug discovery platform

- Developed an **AI-driven** drug discovery platform to fetch protein structures and identify top ligands and Visualized molecular interactions in 3D for **pharmaceutical research**.
- Used React, Node.js, MongoDB, Python, AlphaFold, ChEMBL API, Gemini API to develop product.

### MapIt

03/2025--05/2025

Interactive world mapping application

- Developed an **interactive** world mapping application for users to mark visited countries and cities
- Integrated **JWT-based role authentication**, **dynamic map visualization** using Leaflet, and PDF generation via react-to-pdf
- Implemented an **AI travel companion** using Google's Gemini API for generating humorous travel insights

## TECHNICAL SKILLS

### CODING:

- Java
- Python
- C
- C++

### FRONT END:

- HTML
- CSS
- JavaScript
- ReactJS
- Tailwind CSS
- TypeScript

### BACK END:

- Node.js
- Express
- MongoDB
- MySQL