

AMBORISH SEN

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EDUCATION

Bachelor of Technology in Computer Science and Engineering
Techno International Newtown, Kolkata

Expected 2026
GPA - 8.04

SKILLS

- **Key Skills:** Data Structures and Algorithms
- **Programming Languages:** C++, Python, Java
- **Web Development:** HTML, Bootstrap, CSS, JavaScript, Tailwind
- **JavaScript Frameworks:** React.js, Node.js, Express.js
- **Databases:** MySQL, PostgreSQL, MongoDB, Supabase
- **Cloud-based Platform:** Google Cloud Platform, Render, Vercel
- **Version Control:** Git, GitHub
- **Machine Learning Libraries:** Scikit-Learn, TensorFlow
- **Computer Vision:** OpenCV, YOLO
- **API Development:** RESTful API design and implementation
- **Design Tools:** Canva, Figma

PROJECTS

- **Smart Traffic Light Controller:** Engineered an AI-based traffic management system that dynamically adjusts traffic light timings based on real-time vehicle density and emergency vehicle detection, optimizing urban traffic flow and reducing congestion.
- **School Dropout Analysis:** Built a machine learning model using artificial neural networks (ANN) to predict school dropout likelihood based on demographics and socio-economic factors. Designed an interactive dashboard to visualize key insights and trends.
- **Barasat Yoga Vigyan Kendra website:** [\[Source Code\]](#) [\[Live Demo\]](#) – Designed and developed a website for a yoga institution to manage Student Data, Class schedules, and student subscriptions. Built using ReactJS, NodeJS, Supabase, PostgreSQL and Vercel with a user-friendly interface for Staff And Administration.
- **Nutrition Recommendation Model:** Built a Python-based Model utilizing NLP and Decision Tree ML Algorithm to generate medically-aware, personalized meal plans and optimize macro-nutrient portioning for Indian diets.
- **Portfolio:** [\[Source Code\]](#) [\[Live Demo\]](#) – A curated collection showcasing skills, projects, and achievements, typically used to demonstrate expertise to potential employers or clients.

ACHIEVEMENTS

- **Winner at Internal Hackathon :** Ranked 7 among the top 120 teams in the Internal Hackathon Conducted By Techno International New Town.

CERTIFICATIONS

- Udemy - The Complete 2024 Web Development Bootcamp - Learnt Full Stack Web Development.
- Machine Learning A-Z: AI, Python and R + ChatGPT - Acquired foundational Machine Learning knowledge.
- Coursera - Google Cybersecurity Professional Certificate - Learnt Cybersecurity concepts and practical skills.
- NPTEL - Joy of Computing With Python - Developed proficiency in Python programming, covering DSA.