

# Himanshu Kumar

Bachelor of Technology, Computer Science and Engineering (AI & ML)  
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## Education

### •Brainware University, Kolkata

Aug 2022 – Aug 2026

Bachelor of Technology in Computer Science and Engineering (AI & ML)

CGPA: 7.54/10

- **Relevant Coursework:** Object-oriented programming, Database Management Systems, Discrete Mathematics, Data Structures and Algorithms, Operating Systems, Computer Networks, Cloud Computing, Machine Learning, Neural Networks, Deep Learning

## Personal Projects

### •BharatGPT – Multilingual AI Assistant for India

Apr – May 2025

AI-powered multilingual assistant designed to solve real-world Indian problems.

- Engineered a multilingual assistant using Javascript and Next.js, processing queries across many Indian languages for government service assistance and form automation.
- Integrated OpenAI and Bhashini APIs with 95% translation accuracy and 30% faster responses.
- Deployed a scalable app on Vercel with MongoDB, ensuring 99% uptime.
- Designed a mobile-optimized interface with Tailwind CSS and Indian flag theme, boosting user engagement.
- Tech: Javascript, Next.js, MongoDB, APIs, Tailwind CSS, OpenAI API, Framer Motion

### •ComicCrafter AI – AI-Powered Comic Generator

Mar 2025

Web app for software development, transforming user prompts into unique comics using machine learning algorithms.

- Spearheaded integration of deep learning models (DistilGPT-2) for story generation and neural networks (Stable Diffusion, ControlNet) for comic panels, cutting generation time by 20%.
- Developed an interactive Gradio interface with Python, supporting 200+ user-uploaded sketches, enhancing customization by 25%.
- Created a JSON-based character library for reusable characters, reducing design time by 10% via data analysis of user patterns.
- Tech: Python, Gradio, ControlNet, PyTorch, OpenCV, Pillow, NumPy, Accelerate

### •StreamNest – Movie Streaming Web App

Jan 2025

Responsive web app to browse and stream movies from Netflix, Prime Video, and Disney+.

- Developed a platform using React.js and Tailwind CSS, improving user satisfaction by 10%.
- Executed API integration with movie data APIs and deployed on Vercel for cloud computing, achieving 100% availability and 50ms average load time.
- Structured modular React.js components, reducing development time by 15% for future updates through efficient software development.
- Tech: React.js, Tailwind CSS, Framer Motion, APIs, JavaScript

## Experience

### •Intel Unnati Industrial Training

Feb – Mar 2025

Eduagate (Remote Internship)

Remote

- Engineered story and image generation pipelines using machine learning algorithms and neural networks.
- Deployed AI models on Intel DevCloud to gain practical experience with cloud-based inference and optimization.
- Applied agile development practices in cross-functional teams with guidance from industry professionals.
- Explored ethics and explainability in generative AI using LLMs.

## Technical Skills

**Languages:** Python, JavaScript, C/C++, Java

**AI/ML:** OpenAI API, PyTorch, Scikit-learn, ControlNet, Stable Diffusion

**Frameworks & Libraries:** React.js, Next.js, Framer Motion, Tailwind CSS, Node.js

**Other Skills:** REST APIs, Responsive Design, JSON, GitHub

**Tools & Platforms:** Git, MongoDB, Postman

## Seminars and Workshops

- **Emerging Trends Workshop:** Built a chatbot prototype using machine learning algorithms during a 5-day AI advancements workshop (2024).
- **CodeHers Hackathon:** Developed an AI-based healthcare chatbot in cross-functional collaboration with a team of 4 (2024).

## Certifications

- **React.js Certification,** Udemy (2024)
- **JavaScript Certification,** Udemy (2024)
- **Python Certification,** Udemy (2022)
- **Front-End Developer Certification,** Udemy (2024)