

SOUVIK NAYAK

Asansol, West Bengal | P: +91 8967491828 | E: souviknayak238@gmail.com | G: github.com/iFightDucks | L: [LinkedIn](#)

SUMMARY

Aspiring Computer Science Engineer with a strong foundation in machine learning, artificial intelligence, and automation. Passionate about developing intelligent and scalable AI-driven solutions, with experience in deep learning, natural language processing, and cloud-based AI deployment.

EDUCATION

CHANDIGARH UNIVERSITY

Master of Computer Applications
Major in Computer Science

Mohali, Punjab
August 2022 - June 2024

BENGAL COLLEGE OF ENGINEERING AND TECHNOLOGY

Bachelor of Computer Applications
Major in Computer Science

Durgapur, West Bengal
Jul 2018 - Jul 2021

Relevant Coursework: Data Analysis, Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

WORK EXPERIENCE

EAZYBYTS

Full Stack Developer Intern

Meerut, UP
Oct 2024 – Dec 2024

- Developed and maintained full-stack web applications using NodeJS, and React.
- Collaborated with the team to design and implement scalable backend services and RESTful APIs.
- Gained hands-on experience in real-world projects, enhancing skills in database management and frontend development.

LANGUIFY AI

AI/ML Intern

Bangalore, Karnataka
Feb 2025 – Present

- Researched and implemented Capsule Networks for image classification on the MNIST dataset, improving accuracy by 2%.
- Conducted data preprocessing and augmentation, reducing model error rates and improving robustness by 1.5%.
- Integrated Capsule Network modules into existing machine learning pipelines, boosting overall system performance.
- Designed a GAN-based pipeline to generate anime-style characters from real human images, leveraging style-transfer and deep generative techniques.
- Built a Crime Analysis and Prediction system using supervised learning models to identify high-risk zones and predict crime likelihood based on historical data.
- Optimized model performance through hyperparameter tuning and regular evaluation using confusion matrix and classification reports.
- Participated in code reviews and collaborated in sprint planning meetings, contributing to both backend and model integration tasks.
- Documented research findings and presented results to the team for deployment consideration.

PROJECTS

EchoVerse AI | Node.js, HTML, CSS, Socket.io, Google Gemini | [EchoVerse](#)

2024

- Designed an AI-powered real-time chat bot, enabling seamless multilingual communication with 30% faster translations.
- Integrated Google gemini, reducing translation errors for more natural conversations.
- Optimized backend using Socket.io, improving real-time message delivery efficiency by 40%.
- Deployed on Microsoft Azure (Azure Web App), ensuring 99.9% uptime with auto-scaling for high availability.

NeuroCode AI | Node.js, React.js, MongoDB, Redis, Web Container | [AI Code Editor](#)

2025

- Developed an AI-driven coding platform, enhancing project collaboration and real-time AI-assisted code generation.
- Optimized code execution with Web container, reducing load times by 40% for in browser development.
- Improved AI-generated file structuring, cutting project setup time by 20%.
- Implemented Redis caching, reducing database query latency by 35%.
- Deployed on Azure (Static Web Apps & App services), ensuring 99.9% uptime and seamless

alpaca-trade-candle | llama, lora-alpaca, alpaca, lora, LLaMA, Stanford Alpaca, Python | [huggigface](#)

2024

- Developed a specialized version of the LLaMA 7B model tailored for financial market analysis.
- Engineered the model to accurately identify and classify various candlestick patterns, including Doji, Hammer, and Dragonfly Doji.
- Designed the system to accept both labeled inputs (e.g., open:241.5, close:232.9, high:241.7, low:230.8) and comma-separated values (241.5, 232.9, 241.7, 230.8) for versatility.
- Implemented an interactive user interface using Gradio, facilitating seamless interaction and testing of the model's capabilities.

SKILLS

C++, HTML5, CSS3, JavaScript, TypeScript, Python, SQL, RESTful APIs, ReactJS, Node.js, Web Scraping, Electron, NLP, Neural Networks, TensorFlow, AWS, MongoDB, RabbitMQ, Problem Solving, Rapid Learning, Adaptability, Data Handling and Analytics.

ADDITIONAL

Languages: Fluent in English, Native in Hindi and Bengali

Certifications & Training: Online Course in HTML, CSS, React and NodeJS (InfoSys), AWS Cloud Practitioner Certificate.

Awards: Merit-Based Scholarship (2022-2024): Awarded by Chandigarh University for excellent BCA performance