

SOUVIK NAYAK

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

SUMMARY

Results-driven Full-Stack & Machine Learning Engineer with a Master's in Computer Applications, specializing in building scalable web applications with React.js, Node.js, and MongoDB, and deploying intelligent solutions on AWS and Azure. Proven ability to optimize backend systems (e.g., reducing message delivery time by 40%) and enhance AI model accuracy (e.g., improving image classification by 2%), eager to contribute to digital transformation initiatives within fast-paced, agile environments.

SKILLS

Programming Languages: Python, C++, JavaScript, TypeScript, Go(Basic/Learning)

Frontend Technologies: HTML5, CSS3, ReactJS

Backend Technologies: NodeJS, SpringBoot, RESTful APIs, Microservices

Cloud Platforms: AWS (S3, EC2, Lambda, RDS), Microsoft Azure

DevOps & Tools: Git, GitHub, Postman, Agile Methodologies, Docker, Kubernetes(Basic/Learning), CI/CD Concepts

Machine Learning & AI: TensorFlow, Keras, PyTorch, NLP, Neural Networks, MLOps Concepts

Databases: PostgreSQL, SQL, MongoDB, Redis

Core Concepts: OOP, Data Structures, Algorithms, System Design, Distributed Systems, Scalability, SDLC

Soft Skills: Problem Solving, Teamwork, Adaptability, Critical Thinking, Curiosity, Time Management, Analytical Thinking.

EDUCATION

CHANDIGARH UNIVERSITY

Master of Computer Applications

Major in Computer Science

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

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

WORK EXPERIENCE

LANGUIFY AI

AI/ML Intern

Bangalore, Karnataka

Sep 2024 – Nov 2024

- Contributed to the full software development life cycle (SDLC) within an Agile framework, focusing on backend and model integration for AI applications.
- Enhanced image classification (MNIST) using Capsule Networks, applying software development best practices to improve accuracy by 2% and robustness by 1.5%.
- Developed and optimized machine learning pipelines (GAN, supervised learning) demonstrating proficiency in model integration and rigorous evaluation techniques.
- Participated actively in code reviews and comprehensive documentation, ensuring maintainable and scalable solutions.

PROJECTS

EchoVerse AI | Node.js, ReactJS, 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

ADDITIONAL

Languages: Fluent in English, Native in Hindi and Bengali

Certifications & Training: Online Course in HTML, CSS, React and NodeJS (InfoSys)

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