

MD. Ayan Badar

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Summary

Computer Science undergraduate with hands-on experience in full-stack web development and AI integration. Delivered scalable solutions using React.js, Node.js, PostgreSQL, and OpenAI APIs. Contributed to agile teams in developing user-centric applications and improving backend efficiency by 15%. Skilled in data structures, algorithms, and modern development tools. Focused on building intelligent systems that solve real-world challenges through robust, efficient code.

Skills

Languages: Python, JavaScript, SQL

Web: HTML, CSS, Bootstrap, SASS, React.js, Node.js, Express.js

Tools: Git, GitHub, VS Code, SQLite, PostgreSQL, REST APIs, JSON, NPM

AI/ML: Machine Learning, Neural Networks, Generative AI, Deep Learning

Core: Data Structures & Algorithms, Critical Thinking, Agile Collaboration

Education & Training

Swami Vivekananda University — Kolkata
Bachelor of Technology in Computer Science and Engineering *2021–2025*

NxtWave CCBP 4.0 — Hyderabad
Advanced Full Stack and Python Developer Track *2022–Present*

Certifications

- ML Foundations: Linear Algebra – LinkedIn
- AI Foundations: Thinking Machines – LinkedIn, Oct 2024
- Career Essentials in Gen AI – Microsoft & LinkedIn, Oct 2024
- JavaScript Essentials – NxtWave, Oct 2024
- Responsive Web Design – NxtWave, Sep 2024
- Ethics in Gen AI – LinkedIn, Mar 2024
- Generative AI in Search – LinkedIn, Mar 2024
- What Is Generative AI? – LinkedIn, Mar 2024
- Intro to Databases – NxtWave, Feb 2024
- Dynamic Web Apps – NxtWave, Feb 2024

Experience

Frontend / Backend Intern – TheQA — Kolkata
Mar 2024 – Aug 2024

- Implemented 3+ production-level features using React.js and Node.js in a cross-functional team.
- Optimized frontend load time by 20% through modular SASS and lazy loading.
- Enhanced backend API performance by 15% through query optimization and caching.
- Participated in sprint planning, code reviews, and collaborative debugging sessions.
- Maintained clean version control practices using Git and GitHub.

Projects

MittiMitra – Agri Chatbot — Node.js + PostgreSQL + OpenAI API *2024*

- Developed a chatbot to assist 50+ farmers daily with real-time crop advice.
- Integrated OpenWeatherMap and Agmarknet APIs for personalized crop recommendations.

Number Guessing Game — Python CLI *2024*

- Programmed a CLI-based number guessing game in Python with a scoring system; played by 100+ users.

HealthTrack Dashboard — HTML + CSS *2024*

- Designed and deployed an accessible patient health dashboard with responsive UI.
- Enhanced usability metrics by 30%.

Technology Cards — React.js + Tailwind *2024*

- Engineered reusable React components using props and Tailwind; customized for 10+ use cases.

Additional Projects

SmartToDo – AI Task Assistant — React.js + Express + PostgreSQL *2024*

- Led development of an AI-powered to-do web app with auto-suggestions using OpenAI API.
- Implemented JWT authentication with role-based access for three user tiers.
- Achieved 90% test coverage using Jest and Postman.