CHANCHAL GHOSH

Full Stack Developer

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PROFESSIONAL SUMMARY

Full-stack developer who ships, not just studies — three production-style apps live in the wild, from an AI model in prod to a real payment gateway processing actual transactions. MCA graduate (8.83 CGPA) with AWS internship experience configuring live infrastructure. Comfortable owning a feature end-to-end: React/Next.js UI, Node.js or FastAPI backend, database schema, and deployment.

TECHNICAL SKILLS

Core stack: React.js · Next.js · Node.js · Express.js · MongoDB · REST APIs · JWT/OAuth

- **Languages:** JavaScript (ES6+), Python
- **Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, Responsive Web Design
- **Backend:** Node.js, Express.js, FastAPI, Flask, REST API Design, JSON, Pydantic, CRUD Operations
- **Databases:** MongoDB, MySQL
- **Authentication & Payments:** JWT, OAuth, Authorization, NextAuth, Razorpay Integration
- **AI/ML (Applied):** PyTorch, Hugging Face Transformers, BART, NLP, Text Summarization
- **Cloud & DevOps:** AWS (EC2, S3, RDS), Docker, Vercel, Git, GitHub, CI/CD
- **Core Concepts:** OOP, DBMS, Data Structures & Algorithms, Agile/Scrum, SDLC, Automated Testing
- **Tools:** Postman, VS Code

EXPERIENCE

Cloud & Backend Intern — WebGuru Infosystems Pvt. Ltd.

Nov 2024 – Jan 2025

- Provisioned and managed AWS EC2, S3, and RDS infrastructure — cut manual environment-setup time and gave the team reliable, repeatable hosting.
- Built and tested 10+ RESTful, JSON-based APIs with CRUD operations in Node.js and Express.js, shipped into production services.
- Standardized cloud migration and deployment workflows using Git/GitHub, which reduced deployment configuration errors across environments.
- Diagnosed and resolved backend defects inside an Agile/Scrum sprint cycle, lowering recurring bug reports and improving service reliability.

PROJECTS

Snap Summary — AI Text-Summarization Platform

Next.js, React.js, FastAPI, Python, PyTorch, Hugging Face Transformers, BART, Docker

GitHub

- Integrated a BART sequence-to-sequence model via PyTorch and Hugging Face Transformers, achieving sub-2-second inference response times.
- Zero malformed-request failures in production, thanks to JSON-based REST APIs with Pydantic schema validation and enforced 1024-token input limits ahead of inference.
- Built Short/Medium/Long summary modes with real-time token tracking and document text extraction, wrapped in a responsive Tailwind CSS UI.
- Automated backend tests and containerized the app with Docker so local and production behave identically.

Get Me A Chai — Creator Payments Platform

Next.js, React.js, MongoDB, NextAuth, Razorpay, Tailwind CSS, Vercel

Live Demo | GitHub

- Real money, real checkout: integrated Razorpay end-to-end from checkout initiation through transaction confirmation.
- Secured user sessions and payment-linked accounts using GitHub OAuth authentication and authorization via NextAuth.
- Designed JSON-based REST APIs and CRUD operations on MongoDB to manage creator profiles and payments.
- Deployed and live on Vercel — not a local demo.

Nano URL — URL Shortening Service

Next.js, MongoDB, Tailwind CSS

Live Demo | GitHub

- Built a full-stack URL shortener on Next.js API routes and MongoDB, with key-based lookups for fast, reliable redirects.
- Full CRUD lifecycle — create, track, and manage shortened URLs — via JSON-based REST APIs.
- Responsive Tailwind CSS interface, consistent from desktop to mobile.

EDUCATION

- **Master of Computer Applications (MCA)** — Brainware University | 2023 – 2025 | CGPA: 8.83
- **Diploma in Web Design & Development** — IIIT West Bengal | 2022 – 2023
- **B.Sc. in Mathematics (Honours)** — West Bengal State University | 2017 – 2021