

Shreeyali Singh

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Education

VIT Bhopal University

August 2022 – May 2026

B.Tech in Computer Science and Engineering (Core)

- CGPA: 8.36

Skills

Languages: Java, JavaScript, HTML5/CSS3, TypeScript.

Scripting Languages: Python.

Frontend: React.js, Tailwind CSS, Material UI, Bootstrap.

Backend: Node.js, Express.js, RESTful APIs, Postman, Context-API, React Router, Socket.io.

Databases: SQL/Postgresql, MongoDB.

DevOps: Linux , Docker, Git, GitHub.

Tools/Cloud: AWS Cloud, Figma .

Coursework: Data Structures and Analysis of Algorithms, Database Management, Operating Systems, Object-Oriented Programming, Computer Networks, Software Engineering.

Projects

KIARA - E-commerce platform

[GitHub Repository](#)

- Launched a responsive web-based storefront with seamless navigation, secure transactions, and faster page load times.
- Implemented a customized checkout system with tailored UI design, capable of serving 3K+ monthly users
- Secured user authentication and access with encrypted Passport-based login systems.
- **Tech Stack:** Node.js, Express.js, MongoDB, EJS, REST APIs, Razorpay Integration

PAWVADIYA - Vetinary Healthcare Platform

[GitHub Repository](#)

- Integrated a Retrieval-Augmented Generation (RAG) system, improving accuracy of healthcare decision support using 3+ LLMs.
- Developed a Google Gemini-powered chatbot for intelligent, real-time assistance.
- Managed 1K+ health records using Cloudinary, ensuring compliance and high availability.
- **Tools** :- React.js, Node.js, Express.js, MongoDB, Cloudinary, PayPal, Nodemailer, Gemini-2.5 flash, Mitral API, GPT-3.

Brain Tumor Detection (Research ML)

[GitHub Repository](#)

- Initialized deep learning models to classify brain tumors using 5,000+ MRI scans with 87% accuracy.
- Applied preprocessing techniques (skull stripping, normalization, resizing), improving model input quality by 30%.
- Designed custom CNN architectures to assess cognitive impairment severity, achieving a 90% precision rate.
- **Technologies** :- TensorFlow, Keras, OpenCV, Python

Work Experience

Software Engineering intern , Expedien eSolutions — Noida

September 2024- November 2024

- Started real-time chat modules with file sharing and logging, improving team response speed by 4%.
- Optimized database schemas and queries, reducing execution time by 10% for concurrent multi-user interactions.
- Collaborated in peer code reviews and contributed to design discussions, ensuring maintainable, production-ready code.

Full Stack Web Developer Intern, Zyntriq AI Solutions

March 2025 – June 2025

- Built TheOptionHedge, a MERN-based trading app, boosting real-time data rendering and engagement by 40%.
- Deployed the platform on Hostinger, integrating 15+ secure RESTful API endpoints and optimizing frontend performance for faster load times and seamless UX.

Certifications

- AWS Certified Cloud Practitioner, AWS
- AWS Academy Cloud Foundation, AWS
- AWS Academy Solution Architect, AWS
- IBM DevOps, Agile & Design Thinking , IBM
- Bits and Bytes of Computer Networking , Google
- UI/UX , Great Learning.

Co-Curricular

- Ranked Top 20 in ZS Campus Beats (2000+ entries)
- Finalist, Kriyeta 4.0 Hackathon (629+ participants)
- Core Member, HEALTH-O-TECH Club, VIT Bhopal