

Satyam Shivam

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[Linkedin](#) | [GitHub](#) | [Leetcode](#)

EDUCATION

Vellore Institute of Technology, Bhopal, India

July 2024 - Present

Master of Computer Applications (MCA) - CGPA: 8.27/10.00

Aryabhata Knowledge University, Patna, India

July 2021 - June 2024

Bachelor of Computer Application (BCA) - CGPA: 8.22/10.00

EXPERIENCE

Programmer Analyst Trainee

Jan 2024 - Jun 2024

Center for Entrepreneurship Development, Patna, India

- Led and managed 5+ campus events and workshops, showcasing leadership, teamwork, and organization skills.
- Configured and customized pfSense Open Source Firewall for Internet Proxy Server, enhancing network security by blocking 10,000+ illegal and gambling websites and optimizing bandwidth usage for 800+ users in the campus.
- Created digital marketing content strategies, increasing online engagement by approximately 40%.

PROJECTS

MoodTunes – AI-Powered Mood-Based Music Recommender | [Link](#)

May 2025

- Technologies:** React (Vite), Tailwind CSS, Framer Motion, @vladmandic/face-api, Radix UI, ESLint, PostCSS, TypeScript
- Created with React, with 95%+ mood detection accuracy via selfie or manual input boosting user engagement 2x.
- Suggest music across 5 emotions using real-time analysis, achieved less than 1 sec mood detection using face API.

Newssy – Real-Time News Aggregator | [Link](#)

April 2025

- Technologies:** Next.js, JavaScript, Tailwind CSS
- Build with React and Next.js, fetching real-time articles from 8+ categories using public APIs and SSR.
- Implemented scroll and search filters, improving user content discovery by 40%.

Swapify - Secondhand Marketplace | [Link](#)

Nov 2024 - March 2025

- Technologies:** Next.js, React, Tailwind CSS, TypeScript, Node.js, Express.js, MongoDB (Mongoose), REST API, Google OAuth, JWT, Appwrite
- Responsive Marketplace with real-time chat and geolocation, boosting user engagement by 40% across devices.
- Engineered secure authentication (JWT, OAuth, bcrypt, rate limiting), cutting unauthorized access risks by 70%.
- Delivered seamless web, backend, and mobile integration with optimized RESTful APIs, achieving API response times under 200ms and reducing setup time by 50%.

ACHIEVEMENTS & CERTIFICATIONS

Amazon Generative AI in Software Development | *Coursera* | [Link](#)

May 2025

AWS Getting Started with Security Cerification | *Amazon Web Services* | [Link](#)

May 2025

Core Team Member | *GDG IIBM Patna* | [Link](#)

Aug 2023 - June 2024

AWS Cloud Foundation Certification | *Amazon Web Services* | [Link](#)

Sept 2022

Google IT Support Certification | *Coursera* | [Link](#)

Aug 2022

SKILLS

Programming Languages : Java, Python, JavaScript

Libraries & Frameworks : Tailwind CSS, React, Next.js, Node.js, Express.js, Spring Boot

Database : MySQL, MongoDB

Tools & Platforms : AWS Cloud, Git, GitHub, VS Code, PyCharm, IntelliJ, Eclipse

Core Knowledge : Data Structures, Algorithms, Cloud Computing, Networking, System Design

Soft Skills : Leadership, Teamwork, Analytical, Communication