

Omkar Mishra

Full-Stack Web Developer

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Education

Christian College of Engineering and Technology

Sept 2022 – Present

B.Tech in Computer Science & Engineering

- CPI: 7.9/10
- **Coursework:** Data Structures and Algorithms, DBMS, OOPs, Operating Systems, Computer Network.

Experience

VT on Python AI - Techonet Private Limited

May 2025 – June 2025 [link](#)

- Gained strong foundation in Python programming, covering data types, control structures, functions, and OOPs principles.
- Practiced logical programming by solving real-world problems, implementing algorithms, and debugging code efficiently.
- Learned to build web applications using Django, including authentication, database integration (SQLite/PostgreSQL), and REST API development.

Full-Stack Developer Intern, BharatIntern

Aug 2024 – Sep 2024 [link](#)

- Designed and documented UML diagrams for system architecture and process flows.
- Utilized Slugify, jsdom, and DomPurify for optimizing SEO and ensuring secure DOM manipulation.

Projects

Hotel Management with CMS (Next.js Web app)

[link](#)

- Enforced Next.js and React.js to ensure seamless user experience.
- Integrated Sanity.io as an in-built CMS for dynamic content management.
- Tools Used: Next.js, React.js, Stripe, Sanity.io

AchievR (Full-stack Web app)

[link](#)

- A full-stack web app for students to submit co-curricular achievements, get them faculty-verified, and generate tamper-proof digital certificates with QR-based verification.
- Developed a certificate service using pdf-lib and QRCode to generate professional certificates, send them via email, and expose verification endpoints consumed by a dedicated Verify Certificate page.

Emotion-Based Music Recommendation

[link](#)

- A Python and Streamlit-based web application that detects a user's real-time emotion from facial expressions and text sentiment using computer vision and ML models, then recommends mood-aligned songs by mapping emotions to curated playlists via YouTube APIs.
- Tools Used : Streamlit, Numpy, Keras Model, AV library

Technical Skills

- **Languages:** JavaScript, C++, Python
- **Database:** SQL (MySQL), NoSQL (MongoDB)
- **Frameworks:** React.js, Next.js, Django, Node.js, Express.js, Bootstrap, Tailwind CSS
- **DevOps & Deployment:** Kubernetes, Docker, Vercel, Render
- **Developer Tools:** Git, GitHub, VS Code, Postman, MongoDB Compass, Figma, RESTful APIs