

EXPERIENCE

Node.js Backend Intern | [Oyelabs](#)

Apr 2025 – Present

- Worked on building a SaaS application tailored for a call center environment.
- Integrated **Stripe** and **Razorpay** for seamless online payments.
- Implemented a BullMQ queue system with **Redis** and **Twilio** to automate agent dialing and customer call connection..
- Developed RESTful APIs using **Express.js**, **Sequelize** and **PostgreSQL**.
- Ensured robust input validation with **Joi**, improving backend reliability.

Cloud Intern | IBM

Jun 2025 – Jul 2025

- Created a patient tracking system to monitor and manage medical records efficiently.
- Used **Amazon S3** to store patient image data directly from uploads using **Multer-S3**.
- Implemented **Redis** for **rate limiting**, ensuring API reliability and performance.
- Migrated patient data from a local database to **MySQL RDS** for improved scalability.

Core Contributor | Computer Society of India

Aug 2024 – Jan 2025

- Developed an interactive front-end for an inter-university event registration website, achieving 1000+ registrations.
 - Applied modern UI/UX principles for a responsive design, increasing user engagement.
 - Used **React.js**, **Framer Motion**, and advanced hooks for smooth animations and improved user experience.
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PROJECTS

Cloud-Based User Management System

Technologies: React.js, Express.js, AWS (API Gateway, Lambda, DynamoDB, Route 53, CloudFront, S3, ACM).

- Created a serverless user management application, reducing infrastructure costs.
- Developed a responsive React-based UI and leveraged DynamoDB for high availability.
- Implemented HTTPS security using ACM-issued SSL certificates.

Full-Stack E-Learning Platform

Technologies: React.js, Node.js, Express.js, MongoDB, Cloudinary, Razorpay, Redux, JWT, Bcrypt, Nodemailer.

- Built a MERN-based platform with secure authentication, course creation, and payment integration.
- Integrated Cloudinary for file management and Razorpay for seamless transactions.
- Automated workflows using Nodemailer for real-time notifications.

AI-Powered Quiz System using RAG & Vector Databases

Technologies: LangChain, RAG, FAISS, OpenAI API, Python, FastAPI, React

- Developed a Generative AI-powered quiz system to generate questions from uploaded PDF documents.
 - Implemented Retrieval-Augmented Generation (RAG) using LangChain and openAI for context-aware question and answer creation.
 - Designed a full-stack solution with FastAPI for the backend and React for the frontend interface.
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SKILLS

- **Front-End:** HTML, CSS, Tailwind CSS, JavaScript, React.js, Framer Motion
 - **Back-End:** Node.js, Express.js, Python (FastAPI)
 - **Version Control:** Git, GitHub
 - **Databases:** MongoDB, SQL, PostgreSQL, Redis
 - **Cloud & DevOps:** AWS, Docker, Nginx, Kubernetes
 - **Generative AI:** LangChain, Hugging Face
 - **Problem-Solving:** Data Structures & Algorithms (C++)
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EDUCATION

Bachelor of Technology | University of Petroleum and Energy Studies

Cloud Computing | Aug 2022 – Present