

Umananda Siddha

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Education

Tezpur University, B.Tech in Electronics and Communication Engineering Sept 2022 – June 2026

- GPA: 7.6/10
- **Coursework:** Data Structures, Algorithms, DBMS, Operating Systems, Computer Networks

Experience

Software Engineer, Upesto, Haryana Nov 2024 – Present

- Reduced API response time by 40% by implementing redis caching, tasks offloading to queues
- Built backend services using NestJS, Prisma ORM, AWS S3 (Presigned URLs), Redis, BullMQ and GoMaps
- Engineered the system to be microservice-ready with modular architecture and Redis-backed job queues

Backend Developer Intern, Vrixa Labs, Tezpur Aug 2024 – Jan 2025

- Created LMS backend using GraphQL and microservices
- Integrated Monaco Editor and Docker for real-time code execution
- Implemented video upload pipeline and FFmpeg-based transcoding

Full Stack Developer, Voolata, Tezpur Mar 2024 – Jul 2024

- Designed full-stack fundraising platform with Razorpay integration
- Used Redis queues to reduce backend latency by 25%

Achievements

Special Mention Jan 2024
NIT Silchar Hackathon 2024, for MediCode OCR + GPT-powered assistant

Development Lead Aug 2024
Google Developer Groups (GDG) Tezpur University (2024–25)

Projects

Raozbakers - Food Delivery + Event Management 2025

- Modular backend using Redis for caching and queues, AWS S3 for file storage
- Improved API response time by 40% during peak usage

Voolata - Fundraising Platform voolata.com

- Developed MERN stack platform with admin dashboards and Razorpay integration

Vrixa Labs - LMS with Code Editor & Compiler 2024

- EDA-based microservices architecture with Kafka and Dockerized code runner

Technologies

Languages: JavaScript, TypeScript, Python, C++, SQL

Technologies: React, Next.js, Node.js, NestJS, Redux, Tailwind CSS

DevOps & Tools: Docker, Kubernetes, AWS, Redis, Kafka, Selenium

Backend Concepts: Microservices, EDA, Rate Limiting, JWT Auth, OAuth 2.0, Redis Caching, Pub/Sub Messaging

Others: Firebase, Git, WebRTC, Prisma, FFmpeg