

## UMANANDA SIDDHA

Full Stack Developer | 2026 Graduate | GDG Dev Lead

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[LinkedIn](#) | [GitHub](#)

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## EDUCATION

**Tezpur University**, Assam

*B.Tech in Electronics and Communication Engineering (2022 – 2026)*

Key Coursework: Data Structures, Algorithms, DBMS, Operating Systems, Computer Networks

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## EXPERIENCE

**Software Engineer – Upesto**

*Nov 2024 – Present | Tezpur, India*

- Developed the backend for Raozbakers App (Food Delivery & Event Management Platform)
- Built backend services using NestJS, Prisma ORM, AWS S3 (Presigned URLs), Redis, and GoMaps
- Engineered the system to be microservice-ready with modular architecture and Redis-backed job queues

**Backend Developer – Vrixa Labs**

*Aug 2024 – Jan 2025 | Tezpur, India*

- 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**

*Mar 2024 – Jul 2024 | Tezpur, India*

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

- Special Mention – NIT Silchar Hackathon 2024, for MediCode OCR + GPT-powered assistant
  - Development Lead – Google Developer Groups (GDG) Tezpur University (2024–25)
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## PROJECTS

### **Raozbakers** – Food Delivery + Event Management

- 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

- Developed MERN stack platform with admin dashboards and Razorpay integration

### **Vrixaa Labs** – LMS with Code Editor & Compiler

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

### **MediCode** – OCR + GPT-based Prescription Analyzer ([GitHub](#))

- Built MERN app to scan handwritten prescriptions using TensorFlow OCR and GPT

**Other Projects:** GenAI Tracker (React + Selenium), GDG Blog App (MERN), etc. – on GitHub

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## TECHNICAL SKILLS

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

**Frameworks:** React, Next.js, Node.js, NestJS, Redux, Tailwind CSS

**DevOps & Tools:** Docker, Kubernetes, AWS (S3, EC2), Redis, Kafka, Selenium

**Databases:** MongoDB, PostgreSQL, MySQL

**Others:** Firebase, Git, WebRTC, Prisma, FFmpeg

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

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## EXTRA

- Solving Blind 75 and NeetCode 150 DSA problems
- Actively contributing to open source projects
- Passionate about scalable backend systems and distributed architectures