

# NIKHIL CHANDRA

Full Stack Developer | MERN | React Native | Production Deployment

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## Education

**Madan Mohan Malaviya University of Technology**

*B.Tech in Electronics and Communication Engineering*

Nov 2022 – May 2026

Gorakhpur, U.P.

## Experience

**Full Stack Developer Intern — Riyans WebTech (On-Site)**

Aug 2025 – Present

*Promoted from Frontend Intern based on performance*

- Promoted to Full Stack Developer Intern after demonstrating ownership of end-to-end feature development and deployment.
- Designed, developed, and deployed 3+ production-ready full-stack applications using React.js, Node.js, Express, and MongoDB on Linux-based VPS infrastructure.
- Architected secure RESTful APIs with JWT authentication and role-based access control for admin and user workflows.
- Managed deployment lifecycle including server setup, environment configuration, process management, and production debugging.
- Delivered features used by live clients, ensuring application stability and production reliability.

**Project Intern (Team Lead) — IIT Jodhpur (ISRO RESPOND)**

Jun 2025 – Aug 2025

*Spacecraft Data Analyzer under guidance of Dr. Siddharth Sharma*

- Selected for an ISRO RESPOND-funded research project focused on spacecraft bus communication analysis (MIL-STD-1553B).
- Architected and led development of a full-stack data analysis platform using React, Django, and PostgreSQL.
- Developed REST APIs with secure authentication and CSV/JSON ingestion pipelines for telemetry log processing.
- Built interactive dashboards to visualize timing deviations, protocol compliance, and system performance metrics.
- Automated log-processing workflows using Linux command-line tools to improve analysis efficiency.

## Projects

**Quizzo Kids – Online Quiz Platform** | *React Native (Expo), Node.js, MongoDB, Express*

Play Store | GitHub

- Developed and deployed a scalable quiz application with admin dashboard and real-time leaderboard system.
- Implemented JWT-based authentication, Razorpay payment integration, AWS S3 media storage, and role-based access control.
- Designed quiz engine supporting dynamic question sets, certificate generation, analytics, and user management.

**Digital Library Management System** | *Next.js, Node.js, MongoDB*

Live | GitHub

- Built academic digital library platform integrating DOAJ and DOAB APIs providing access to 900K+ research records.
- Implemented OTP-based authentication, activity tracking, secure document storage (AWS S3), and analytics dashboard.
- Designed CMS module for content management and visitor insights visualization.

**Spacecraft Data Analyzer (Research Project)** | *React, Django, PostgreSQL*

Backend | Frontend

- Developed full-stack data analysis tool for spacecraft bus communication logs.
- Engineered REST APIs with PostgreSQL backend for secure and scalable log ingestion.
- Designed analytical dashboards visualizing timing deviations and system performance metrics.

## Technical Skills

- **Languages:** JavaScript (ES6+), Python, C++.
- **Frontend:** React.js, Next.js, React Native (Expo), Tailwind CSS.
- **Backend:** Node.js, Express.js, Django.
- **Databases:** MongoDB, PostgreSQL.
- **Deployment & Tools:** Linux, VPS Hosting, Basic Server Configuration, Git, GitHub, Bash, Postman, Vercel.
- **Concepts:** REST APIs, JWT Authentication, Role-Based Access Control, Data Structures & Algorithms, OOP, DBMS.

## Certifications

Machine Learning (NPTEL – IIT Madras)

Internet of Things (NPTEL – IIT Kharagpur)

## Achievements

- Led and organized large-scale technical events (Hackfest, SIH, TEDx) with 300+ participants.
- Management and Outreach Head, IEEE MMMUT (Aug 2024 – Present).