

# SWABHIMAN NANDA

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## SUMMARY

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Full Stack Developer with 1+ year of experience building scalable web applications, enterprise software, and production-grade backend systems. Skilled in developing high-performance frontend interfaces and robust APIs using React, Next.js, TypeScript, Node.js, and PostgreSQL. Experienced in working across the full development lifecycle, from architecture and database design to deployment and optimization.

## EXPERIENCE

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### Silver Oak Foundation

July 2025 – Present

*Full Stack Developer*

*Ahmedabad, India*

- Led frontend engineering for the university's official website using Next.js, serving 10,000+ active users; elevated website performance metrics from 38 to 92 through rendering optimization, code splitting, caching strategies, and low-network adaptive UI enhancements.
- Built a custom React.js CMS admin panel supporting 300+ dynamic pages with scalable content workflows and role-permission based access management.
- Architecting an enterprise-grade HRMS platform with RBAC, modular permissions, multi-step onboarding, attendance management, and real-time notification workflows using PostgreSQL, Node.js, and TypeScript.
- Developed secure RESTful APIs with JWT authentication and module-level authorization while collaborating within a cross-functional engineering team of 15+ members.

### Silver Oak Foundation

Jan 2025 – Jun 2025

*Full Stack Developer Intern*

*Ahmedabad, India*

- Built responsive UI components using React.js, TypeScript, and Tailwind CSS for the university's web platform, contributing directly to the production release of silveroakuni.ac.in.
- Independently developed the Gallery Module — a complex overlay/modal system with full API integration, assigned based on demonstrated capability by the project lead.
- Evaluated and integrated animation libraries for production use, benchmarking performance trade-offs across browsers and devices to ensure smooth user experience on low-end hardware.

### Glint4u Digital Agency

Sep 2024 - May 2025

*Co-Founder & Full Stack Developer*

*Gandhinagar, India*

- Co-founded the agency and delivered scalable web and mobile solutions for clients across manufacturing, clothing, and education consultancy industries, transforming business requirements into production-ready platforms.
- Directed end-to-end project execution including architecture planning, backend engineering, deployment workflows, payment integrations, CMS systems.

## PROJECTS

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### SouKids - Parent-School Communication App

**Technologies:** Node.js, React.js, Express.js, MongoDB, Mongoose ODM, TypeScript, Flutter, Firebase FCM, AWS S3.

- Architected and maintained scalable backend APIs and a role-based admin panel for a parent-school communication platform used by mobile applications on both iOS App Store and Google Play Store.
- Implemented real-time push notification delivery systems to enable seamless communication between schools and parents, ensuring reliable event, attendance, and announcement updates.

### Silver Oak University Website

**Technologies:** Next.js, React.js, Express.js, TypeScript, Node.js, PostgreSQL, Sequelize, AWS S3.

- Implemented ISR (Incremental Static Regeneration), SSR (Server-Side Rendering) with dynamic revalidation, lazy-loaded media assets, and Webpack code splitting to achieve a 54-point Lighthouse performance

improvement across desktop and mobile.

- Architected a PostgreSQL-backed content management system using Sequelize ORM with structured relational models for dynamic pages, faculty profiles, news, events, and media — supporting multi-department content workflows.
- Engineered adaptive low-network UI rendering that detects connection speed and downgrades media quality and layout complexity in real-time, ensuring usability for users on 2G/3G networks.

### HRMS System (In Active Development)

**Technologies:** React.js, Express.js, TypeScript, Node.js, PostgreSQL, Sequelize, AWS S3.

- Developing an enterprise-grade HRMS platform featuring employee management, attendance tracking, multi-step onboarding workflows, and scalable role-permission based access control for organizations.
- Built both employee-facing and admin management portals with modular RBAC architecture, enabling secure and configurable access across different organizational roles and departments.
- Synchronized attendance management systems with eSSL device synchronization, streamlining real-time attendance tracking, workforce monitoring, and centralized HR operations.

### Food Buster

**Technologies:** Node.js, Express.js, TypeScript, Razorpay, AWS Lightsail, Google Maps API, Borzo Delivery API.

- Built and maintained backend APIs for a production-ready food delivery platform, powering mobile applications live on both iOS App Store and Google Play Store.
- Implemented secure payment workflows and real-time push notification systems, ensuring seamless order processing and live delivery/order updates for users and restaurants.
- Developed location-based restaurant discovery and delivery management features using geospatial queries and third-party logistics integrations for efficient nearest-restaurant matching and order fulfillment.

### gallery-slider-ui — Open Source NPM Package

**Technologies:** React.js, TypeScript, NPM, Tailwind CSS.

- Engineered and published an open-source React media gallery component package designed for seamless image and video slider integration across modern web applications.
- Achieved 500+ downloads within the first 5 days of launch, demonstrating strong community adoption and usability among React developers.

## EDUCATION

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**Silver Oak University**

2021 – 2025

*Bachelor of Technology (B.Tech) in Computer Engineering - CGPA: 9.8 / 10*

## TECHNICAL SKILLS

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**Languages & runtimes:** JavaScript (ES6+), TypeScript

**Frontend:** React.js, Next.js, Redux, Tailwind CSS, React Hook Form, Zod, HTML5, CSS3

**Backend:** Node.js, Express.js, RESTful APIs, JWT, RBAC, Firebase Cloud Messaging

**Databases:** PostgreSQL, MongoDB, MySQL, Query Optimization, Schema Design.

**Cloud & DevOps:** AWS (S3, Lightsail, EC2), Vercel, Cloudinary, Git, GitHub.

**Payments & Integrations:** Stripe, Razorpay, Google Maps API, Borzo Delivery API, Email Verification

**Methodologies & Tools:** Agile/Scrum, Role-Based Access Control, System Design, MVC Architecture.