

# ANISHA BIRLA

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## Education

### Kalinga Institute of Industrial Technology

Btech in Computer Science

Sep 2021 - May-2025

Bhubaneswar, Odisha

- **Relevant Coursework:** Data Structures and Algorithms (C++), Object-Oriented Programming, Software Engineering Principles, Database Management Systems, Web Development, Operating Systems, Software Development Methodologies, C, Computer Networks, Cloud Computing, Software Project Management

## Experience

### PalTech | SQL, Spark, Data Warehouse, Power BI [Visit Website](#)

Jul 2025 - Present

Role - **Trainee Software Engineer (Data Engineering)** - Full time

Hyderabad

- **Developed and optimized complex SQL queries** to efficiently process and analyze large-scale enterprise databases, improving query performance and data accessibility.
- **Designed and implemented scalable data models**, ensuring accuracy and consistency across business intelligence and reporting solutions.
- **Built dimensional models (Star and Snowflake schemas)** to support data warehousing, enhancing reporting efficiency and enabling faster decision-making in Power BI and other BI tools.

### PSDC | Angular, Node.js, MongoDB, Razorpay, AWS [Visit Website](#)

May 2025 – Jun 2025

Role - **Full Stack Developer - Freelance**

Remote

- Worked at an **education-focused** startup building scalable full-stack solutions using Angular and Node.js.
- Developed **course modules, admin dashboards, and backend APIs** to support skill training programs for youth.
- Implemented responsive UI, **secure authentication, and MongoDB-based** data management.
- **Deployed the application on AWS**, ensuring high availability and scalability using **services like EC2 and S3**.

## Projects

### TopDataCoach | Node.js, Express, MongoDB, React.js, Cron Jobs, Web Scraping [Visit Website](#)

Feb 2025 - Mar 2025

- Architected & Developed: **Built TopDataCoach**, a feature-rich educational platform offering structured learning paths in data science and web development.
- Scalable Backend: Engineered RESTful APIs using Node.js and Express for **course management, user authentication, enrollment tracking**, and content delivery.
- Comprehensive **Admin Panel**: Developed interfaces for **course management** (with drag-and-drop module arrangement), content library bulk uploads, **user management**, and an **instructor portal**.
- Database Optimization: **Utilized MongoDB indexing and aggregation pipelines for high performance** with large course catalogs and concurrent users.

### 4eDentalAI | Angular, Node.js, MongoDB, Stripe, AWS, Brevo, Calendly [Visit Website](#)

Jan 2025 - Feb 2025

- Developed an AI-powered dental assistant platform for **ARTI**, enabling advanced AI-based **X-ray scanning** to detect dental diseases.
- Implemented **Stripe for payments**, including **subscription management, plan listing, OTP verification, and password recovery** with secure role-based access (Admin & User).
- Created APIs for **user registration, authentication, pricing plans, subscription renewals, and payment success handling**.
- Integrated **Calendly** for appointment scheduling and **Brevo** for automated email notifications.
- Built user and admin dashboards with **real-time analytics**, including **subscription tracking, X-ray evaluations, and revenue reports**.
- Deployed the application on **AWS via Putty**, ensuring scalability and performance.

## Technical Skills

**Programming Languages:** C, C++, Java

**Other Languages:** HTML5, CSS3, SCSS, JavaScript, SQL, Svelte

**Frameworks/Libraries:** ReactJs, NodeJs, ExpressJs, Angular, NextJs, TailwindCSS

**Databases:** MongoDB, MySQL, Supabase

**Tools & Platforms:** Git, GitHub, Bitbucket, Postman, Wordpress, Elementor, Render, Vite, AWS

## Achievements and Hackathons

- **500+ DSA problems on LeetCode** (Top 15% Globally), **HackerRank (Silver Badge in SQL)** [LeetCode](#)
- **96.17 percentile in Naukri Campus Young Turks**, India's largest skill contest [View Certificate](#)
- **Finalist: Hult Prize Hackathon'22 | Top 30: SIH'23 | Round 2: InnoHacks'23**
- **Postman API Fundamentals Student Expert Certified** [View Certificate](#)

## Co-Curricular Activities

- Three-time **National Gymnastics Champion (2015 - 2017)** in Kolkata, Telangana, and Agra . [View Link](#)