

Bhavay Batra

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EDUCATION

Birla Institute of Technology Mesra

B.Tech in Electronics and Communication Engineering — CGPA : 8.66

Ranchi, Jharkhand

Aug. 2023 – May 2027

Modern Delhi Public School

Senior Secondary (XII), CBSE — Score: 94.2%

Faridabad, Haryana

March 2020 – April 2022

EXPERIENCE

Software Developer

May 2025 – July 2025

New Delhi, India

Quratr (AI-powered place discovery platform)

- Developed a full-stack web application using **React** for the frontend and **Node.js, Express** for the backend.
- Designed and implemented **RESTful APIs** supporting end-to-end **CRUD operations**.
- Performed database design and data modeling using **MongoDB** for efficient data storage and querying.
- Integrated frontend components with backend APIs, managing asynchronous data flows and state updates.
- Tested and debugged APIs using **Postman** to ensure reliability and correctness.

PROJECTS

Muzi | *Next.js, TypeScript, NextAuth.js, Prisma, PostgreSQL, REST APIs*

playmuzi.vercel.app

- Built a **collaborative music SaaS platform** enabling democratic song playback through shared queues and upvoting.
- Implemented **Google authentication** using **NextAuth.js** and designed REST APIs for streams, votes, and playback control.
- Designed relational data models using **Prisma** and **PostgreSQL**, managing users, queues, upvotes, and currently playing tracks.
- Integrated **YouTube APIs** for video metadata and used **long polling** to sync queue state and playback across users.

Snap Price | *Next.js, Node.js, REST APIs, PostgreSQL*

getsnapprice.vercel.app

- Architected and built a **full-stack web application** using **React, server-side rendering, and Node.js**, following a **client-server architecture**.
- Designed and implemented **RESTful APIs** to support end-to-end **CRUD operations**.
- Performed **database design** using **PostgreSQL**, storing products and historical price data with user-level access control.
- Built **backend workflows** and **scheduled jobs** to monitor price changes and trigger automated notifications.

TrueFeedback | *Next.js, React, Node.js, MongoDB, TypeScript, REST APIs*

dottruefeedback.vercel.app

- Architected a **full-stack anonymous messaging platform** with **server-side rendering**, credential-based authentication, and session management.
- Designed and implemented **RESTful APIs** for user registration, OTP-based verification, authentication, and anonymous message management.
- Built a scalable **messaging system** using **MongoDB** with aggregation pipelines for efficient querying, sorting, and deletion.
- Integrated **AI-powered message suggestions** with streaming responses and developed reusable UI components with form validation and debounced inputs.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, SQL, HTML/CSS

Frameworks & Libraries: React, Next.js (SSR), Node.js, Express

Databases & ORM: PostgreSQL, MongoDB, Prisma

Core Concepts: Full-Stack Development, REST APIs, CRUD, Client–Server Architecture, Authentication

Coursework: Data Structures & Algorithms, DBMS, Operating Systems, OOP

Tools: Git, Postman, Docker