

# BHARATH BN

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## SKILLS

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- **Programming Languages:** Python, JavaScript, TypeScript, HTML5, CSS3
- **Frontend Frameworks/Libraries:** React.js, Next.js, Tailwind CSS, Redux Toolkit
- **Backend & Databases:** MySQL, MongoDB, PostgreSQL, REST APIs
- **DevOps & Tools:** Git, GitHub, Docker, CI/CD pipelines, Kubernetes, Vercel, Netlify
- **Core CS Concepts:** Data Structures & Algorithms, OOPS, DBMS, OS, DevOps, Problem-solving

## PROJECTS

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### [Link](#) **BookWise** Technology: Next.js, ShadCN, Auth.js, ImageKit, Upstash(Redis), Drizzle ORM, Neon

- **Built** a **Full-Stack** library management system with a **public interface** for students to borrow books and an **admin panel** for inventory and user management. **Integrated ShadCN** UI components for consistent styling and improved user experience.
- **Implemented** secure authentication with **NextAuth**, enabling role-based access for students and administrators.
- **Optimized** media handling using **ImageKit** for fast and reliable image and video uploads, processing, and transformations.
- **Boosted performance** by **30%** through **Upstash Redis** caching and **rate limiting** and **reducing server load** by **40%**.
- **Designed** a robust and scalable database schema with **Drizzle ORM**, ensuring efficient data interactions with **PostgreSQL**, hosted on **Neon** for enhanced availability, performance, reliability, and seamless scalability.

### [Link](#) **ShopperzKart** Technologies: Next.js, TypeScript, Tailwind CSS, NextAuth, Redux Toolkit, Stripe

- **Frontend Development** using **Next.js** for creating interactive and **responsive user interfaces** with optimized performance.
- **Created** a state management system with **Redux Toolkit** to efficiently store and manage product inventory and cart data.
- **Enhanced** secure **user authentication and authorization** using **NextAuth**, managing user sessions to ensure safe access.
- Configured **Stripe** payment gateway, enabling smooth and secure product transactions and tracked overall transaction history.

### [Link](#) **Crypto Price Tracker** Tech Stack: React.js, Context API, React Google Charts, CoinGecko API

- **Integrated** CoinGecko API to fetch **real-time market data** for **1,000 cryptocurrencies**, adding a search bar for filtering.
- **Interactive Graphs** – Used **React Google Charts** to display historical price trends **with real-time updates**.

## EDUCATION

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### National Institute Of Technology, Goa

2020 - 2024

- Bachelor Of Technology in Electronics and Communication Engineering CGPA - 8.3

### Sri Chaitanya Techno School, Banaswadi, Bangalore

2018 - 2019

- 12th CBSE

## WORK EXPERIENCE

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### Data Science Intern | UpSkillCampus

June 2023 - July 2023

- Developed a GRU-based deep learning model for time series forecasting, enhancing traffic volume predictions.
- Applied data preprocessing techniques to clean and transform historical traffic data, improving model accuracy.

## CERTIFICATIONS & CREDENTIALS

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- **IBM Web Development Fundamentals Certification** – Proficient in frontend, backend, REST APIs, and UI/UX.
- **HackerRank Certifications** in Python, SQL, CSS, JavaScript, and React.js, demonstrating strong technical expertise.