

# BHARATH BN, 24

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## SKILLS

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- **Programming Languages:** Python, JavaScript, TypeScript, HTML, CSS
- **Frontend Frameworks/Libraries:** React.js, Next.js, Tailwind CSS, Redux Toolkit
- **Backend & Databases:** MySQL, MongoDB, PostgreSQL
- **DevOps & Tools:** Git, GitHub, Docker

## PROJECTS

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- [Link](#) **BookWise** Technology: Next.js, ShadCN, NextAuth, ImageKit, Upstash(Redis), Drizzle ORM, Neon
- **Developed** a modern 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.
  - **Built** an admin panel to streamline library operations such as book management, user roles, and activity tracking.
- [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 and 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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<b>National Institute Of Technology, Goa</b>	<b>2020 - 2024</b>
<ul style="list-style-type: none"><li>• Bachelor Of Technology in Electronics and Communication Engineering CGPA - 8.3</li></ul>	
<b>Sri Chaitanya Techno School, Banaswadi, Bangalore</b>	<b>2018 - 2019</b>
<ul style="list-style-type: none"><li>• 12th CBSE</li></ul>	

## WORK EXPERIENCE

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<b>Data Science Intern, UpSkillCampus</b>	<b>June 2023 - July 2023</b>
<ul style="list-style-type: none"><li>• Developed a <b>GRU-based deep learning model</b> for time series forecasting, <b>enhancing traffic volume predictions</b>.</li><li>• Applied data preprocessing techniques to <b>clean and transform historical traffic data</b>, improving <b>model accuracy</b>.</li></ul>	

## CERTIFICATIONS

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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.