BHARATH BN

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SKILLS

- **Programming Languages:**   Python, JavaScript, TypeScript, HTML, CSS
- **Frontend Frameworks/Libraries:**   React, Next.js, Tailwind CSS, Material-UI, Redux Toolkit
- **Backend & Databases:**   Node.js, Express.js, MySQL, MongoDB, PostgreSQL, RESTful API
- **DevOps & Tools:**   Git, GitHub, Docker, CI/CD pipelines, Kubernetes, Vercel, Netlify
- **Core CS Concepts:**   Data Structures & Algorithms, OOPS, DBMS, OS, DevOps

PROJECTS

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

- **Developed** a **Full-Stack** library management system with **public interface** for students to borrow books and an **admin panel** for inventory and user management. Integrated **ShadCN UI** for a consistent design, reducing **development time** by **20%**.
- **Executed** secure authentication with **NextAuth**, enabling **role-based access** for **500+ students and administrators**.
- **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 (Neon)**, supporting **1000+ records** with **99.9% uptime** for enhanced **performance, reliability, and scalability**.

Link   **SmartNotes**   Tech Stack**: React.js, Node.js, Express.js, MongoDB, JWT, Axios, Postman**

- Developed a secure, **full-stack CRUD Notes** web application with **JWT-**based authentication and scalable data management.
- Designed **RESTful APIs** using **Node.js**, **Express.js**, and **MongoDB** for **data persistence** and modular **backend** services.
- **Conducted API testing, validation, and debugging** using **Postman**, ensuring **reliability** across backend functionalities.

Link   **ShopperzKart**   Technologies**: Next.js, TypeScript, Tailwind CSS, NextAuth, Redux Toolkit, Stripe**

- **Built** a **fast and interactive e-commerce platform** using **Next.js & TypeScript**, improving page load speed by **35%**.
- **Implemented Redux Toolkit** for efficient **state management**, reducing API calls by **30%** and improving cart performance.
- **Enhanced** secure **user authentication and authorization** using **NextAuth**, managing user sessions to ensure safe access.
- **Integrated Stripe payment gateway**, enabling **100% secure transactions** and real-time tracking of **order history**.

EDUCATION

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

**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

- **IBM Web Development Fundamentals Certification**   **Link**
- **HackerRank Certifications** in **Python, SQL, CSS, JavaScript, and React.js**   **Link**