Nikhil Bhosale

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Work Experience

Bar Code India   Nov 2022 - Present
Software Engineer   Pune, India

- **Manufacturing Intelligence**
  - Developed a scalable, real-time web application using **Angular, Chart.js, TypeScript**, and **Firebase** Push Notifications, delivering user-specific dashboards, advanced analytics, and dynamic reports that enhanced production monitoring and decision-making efficiency **40%**.
  - Integrated **RESTful APIs** with machine systems to enable end-to-end traceability and real-time visibility across manufacturing operations, improving data accuracy and process adherence across **15+** production lines.

- **Smart RFID Web Interface**
  - Developed a web-based interface to configure and monitor a high-speed **Linux** based RFID reader, enabling real-time device status updates, configure processes, tag data visualization, and remote control of scanning operations.
  - Engineered a real-time web interface using **Angular**, **Node.js**, and **Socket.io** for high-speed RFID hardware, enabling users to monitor tag activity, control scanning operations, and configure device settings remotely with minimal latency.

Narachi Consultant   Mar 2022 – Aug 2022
Web Developer   Pune, India

- **Ayurvedic OPD / Hospital Management Software:**
  - Built patient and doctor management, appointment scheduling, and follow-up tracking modules using **Angular**, **JavaScript**, and **Bootstrap** to ensure a smooth and intuitive user experience.
  - Enabled medicine preparation, diagnosis entry, billing, and reporting functionalities to optimize Ayurvedic OPD operations and improve workflow efficiency.

Skills

- **Languages**: JavaScript, TypeScript, Java, HTML, CSS, SCSS
- **Libraries & Frameworks**: React, Angular, Express.js, Node.js, Mongoose, Redux, Angular Material, Bootstrap, Material UI, Chart.js.
- **Tools and Software**: Git, SVN, JIRA**,** Postman, Babel, Docker, REST APIs, Socket.io, WebSocket.
- **Database:** MySQL, MongoDB.
- **Subjects**: Data Structures and Algorithms, Object-Oriented-Programming (OOPS), CI/CD, Software Development Life Cycle (SDLC), Agile Methodology, Operating System**,** Database Management System, System Design

Projects

- **Digital Bookstore – Your Digital Bookstore Solution (Link)** :-   *Angular, Node.js, Express.js, MongoDB, JWT*
  - Designed and implemented a responsive single-page application enabling users to browse, purchase, rate, and review books, while managing user profiles and purchase history seamlessly.
  - Implemented role-based access with admin controls for managing books, moderating comments, and user restrictions, alongside real-time updates to purchase history and user profiles, ensuring efficient content and user management.
- **Meal Planner (Link)** -   *React, Node.js, Express.js, Mongoose, MongoDB, Material UI, Redux, JavaScript*
  - Designed and developed a web application that helps users plan meals by scheduling daily meals on a calendar and managing ingredient inventories to optimize shopping lists and reduce waste.
  - Implemented user authentication, dynamic shopping list generation based on planned meals and available ingredients, with options to export the list via copy, print, or email for convenience.
- **Crypto Dashboard (Link)** -   *React, Tailwind CSS*
  - Develop a dynamic crypto dashboard in React, enabling users to monitor real-time cryptocurrency prices, manage portfolios, and access essential market data.
  - Employ Tailwind CSS, JavaScript, HTML, and CSS to build the front-end interface, ensuring a seamless and visually appealing user experience.

Education

Haribhai V. Desai College   2018- 2021

Bachelor of Science, Computer Science

Certifications

- **Full Stack Web Development (Link)**
- **Angular – The Complete Guide (Link)**
- **Java Programming: Complete Beginner to Advanced (Link)**