

# Abhishek Budavi

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Enthusiastic and adaptable software development student with hands-on experience in frontend technologies like React.js, HTML, CSS, and JavaScript. Open to learning and working across all areas of software development to grow as a versatile developer.

## **SUMMARY:**

- Proficient in building responsive web applications using **React.js, Next.js, Tailwind CSS, and ShadCN/UI** with a strong focus on clean **UI/UX** and component reusability.
- Hands-on experience in developing **full-stack** applications with integration of **REST APIs, MongoDB, and PostgreSQL**.
- Implemented role-based dashboards and secure routing logic in modern **web apps** for real-time healthcare and crypto insights.
- Built CryptoInsight, a data science project that uses **Python, LSTM, and Yahoo Finance API** to analyze and predict cryptocurrency trends.
- Developed Smart Medicine Dispenser using Arduino, **RFID (MFRC522)**, servo motors, and LCD display to automate secure medicine delivery.
- Created **ArogyaYatra**, a digital health platform aligned with the **Digital India initiative**, offering **QR-based** patient scanning, digital prescriptions, and centralized medical records.
- Comfortable with data preprocessing using Python libraries like **Pandas, NumPy, and visualizations using Matplotlib**.
- Experienced in using **Git, GitHub**, and following Agile workflows in team environments.
- Strong problem-solving mindset with ability to design **modular, scalable, and maintainable codebases**.
- Excellent communication skills and project ownership demonstrated through internships and self-led technical initiatives

## **CERTIFICATIONS:**

- Completed Full Stack Course and React.js in Udemy Platform

## **TECHNICAL SKILLS:**

- **Programming Languages:** C++, Python, Java, JavaScript.
- **Frontend Technologies :** HTML, CSS, Bootstrap, Tailwind, React.js, Next.js.
- **Version Control System :** Git, GitHub.
- **Backend Technologies:** PostgreSQL, REST APIs, JSON
- **Soft Skills:** Critical thinking, Decision making, Problem Solving, Project ownership.

## **WORK EXPERIENCE:**

### **TechVritti**

### **Intern Frontend Developer**

**December 2024 To Jan 2025**

- Designed, developed, and deployed responsive web applications using React.js and HTML5, increasing user engagement by 30% through enhanced interactive features and a mobile-first design approach.
- Created dynamic React.js UI components, enhancing interactivity and user experience.
- Collaborated effectively with a team of developers, adhering to Agile methodologies to Complete.

## **PROJECTS:**

### **CryptoInsight**

**Tech Stack:** Python, Pandas, Matplotlib, TensorFlow (LSTM), scikit-learn, Yahoo Finance API, Streamlit (for UI)

#### **Description:**

Developed a data-driven platform to analyze and predict short-term trends (1–10 days) in cryptocurrency prices, with a primary focus on Bitcoin. The project fetches historical data using the Yahoo Finance API, visualizes market trends, and applies preprocessing techniques such as MinMax scaling. Utilized LSTM neural networks for time series forecasting. Designed an interactive user interface allowing users to select any cryptocurrency and view future price predictions, aiding investors and traders in decision-making.

#### **Key Contributions:**

- Built and trained an LSTM model to forecast future prices using historical crypto data.
- Developed a clean UI using Streamlit to input cryptocurrency names and prediction days.
- Implemented data visualization for trends, predictions, and performance evaluation.
- Optimized preprocessing steps (scaling, windowing) for better model accuracy

### **Smart Medicine Dispenser Using RFID**

**Tech Stack / Hardware:** Arduino Mega, MFRC522 RFID module, Servo Motor, Push Buttons, Buzzer, LCD Display, C/C++ (Arduino IDE)

#### **Description:**

Designed and developed a smart medicine dispenser system using RFID technology to automate and secure the process of medicine distribution, especially for elderly and chronically ill patients. The system verifies patient identity through RFID tags and dispenses the correct dosage at scheduled times, reducing manual errors and enhancing medication adherence.

#### **Key Features & Contributions:**

- Implemented RFID-based patient identification to ensure secure access.
- Integrated servo motor-controlled compartments to dispense medicine automatically.
- Scheduled dose timings with alerts using buzzer and LCD display for reminders.
- Developed an efficient logic to prevent double dosage and ensure safe delivery.
- Enabled easy admin control to register or remove authorized RFID tags.

### **ArogyaYatra – Unified Digital Healthcare Platform**

**Tech Stack:** Next.js, Tailwind CSS, ShadCN/UI, React.js, Node.js, PostgreSQL, QR Code Integration, REST API

#### **Description:**

**ArogyaYatra** is a comprehensive digital healthcare web application aimed at connecting patients, doctors, and hospitals under a unified platform. The system ensures better healthcare access, transparent medical records, and seamless appointment and treatment workflows. The platform

supports role-based dashboards for patients, doctors, and hospitals, with a central health database and QR-based smart identification.

Key Features & Contributions:

- **Patient Dashboard:** View personal health data, prescriptions, and book appointments.
- **Doctor Panel:** QR-based patient record scanning, AI-generated diagnosis summaries, and e-prescription upload.
- **Hospital Management:** Register doctors, manage schedules, and verify treatment history.
- **Secure Health Records:** Centralized digital health database accessible via QR code.
- **Modern UI:** Clean and responsive design using Tailwind CSS and ShadCN components for better user experience.

Impact:

- Designed to support the **Digital India initiative** by promoting paperless healthcare.
- Enhances real-time access to patient data and improves coordination between doctors and hospitals.
- Aimed at remote and rural areas where continuity of care and record-keeping is often a challenge.

ACADEMIC DETAILS:

<b>Visvesvaraya Technological University, Belagavi</b>	Feb 2024 - Present
<i>Master of Computer Application</i>	<b>CGPA: 8.2</b>
<b>Govindram Seksaria Science College Belagavi</b>	Aug 2020– Aug 2023
<i>Bachelor of Science(BSC)</i>	<b>CGPA: 7.8</b>

PERSONAL DETAILS:

Father’s Name	: Appanna Budavi
Mother’s Name	: Shalini Budavi
Date of Birth	: 26 <sup>th</sup> March 2002
Marital Status	: Unmarried
Languages	: English, Kannada, Hindi
Present Address	: Belagavi - 590020

Declaration:

I hereby declare that the information given above is true to the best of my knowledge and belief.

Date:

Place:

(Abhishek Appanna Budavi)