

# Chandra Bhusan Kumar Yadav

Full Stack Developer | UX/UI Designer | AI Prompt Engineer

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## Summary

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I'm a versatile **Full Stack Developer** who enjoys **building things end-to-end** — whether it's a **mobile app, web platform, backend system**, or **integrating AI** into real-world solutions. With a solid foundation in **software engineering**, I've worked on **scalable products** that combine **clean architecture, responsive design**, and **reliable backend logic**. I'm comfortable switching between **frontend code, API design, databases, cloud deployments**, and **CI/CD workflows**. I **pick up new tools fast, collaborate well across teams**, and always aim to build software that's **practical, maintainable, and impactful**.

## Technical Experience

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### Full Stack Developer

ReactJS, React Native, Spring Boot, NodeJS, MySQL, MongoDB, AWS, Firebase, CI/CD, GitHub, Git,

- **AWS Expertise:** Experienced with deploying applications on AWS using services like EC2, Auto Scaling, RDS, IAM, S3, and CloudWatch to ensure high availability, scalability, and performance.
- **Version Control & Deployment:** Proficient in using Git and GitHub for version control, with knowledge of CI/CD practices using GitHub Actions to automate testing and deployment processes. Deployed applications to platforms like Netlify and Google Play Store.
- **Backend Development:** Developed robust, scalable backend systems using Spring Boot (Java) and Node.js. Applied MVC principles and microservice architecture for modular and maintainable code.
- **API Integration & Debugging:** Implemented and debugged RESTful APIs, using tools like Postman for testing and Firebase for URL synchronization. Familiar with Ngrok for exposing local servers to remote clients.
- **User Authentication:** Integrated secure authentication systems using JWT, OAuth, and HTTPS to ensure secure data exchanges and user management.
- **App Deployment:** Managed app deployment on the Google Play Console for various applications, ensuring seamless APK uploads and regular updates.
- Used tools like **VS Code, IntelliJ IDEA, PhpMyAdmin, Postman, XAMPP Panel**, and various other platforms to support software development
- Familiar with deploying Spring Boot .jar files to remote servers using **WinSCP, PuTTY, SSH, and .pem** files for secure access and execution.

## EDUCATION

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Jain University, Bangalore

B.Tech in Computer Science & Engineering

2022 - 2026

## PROJECTS

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[StudnetApp](#) 

2022 - 2023

**Technologies & Deployment:** React Native, Spring Boot, MySQL, AWS, Google Play Store

**Purpose:** An online platform where registered shopkeepers can order products directly from wholesalers.

- **OTP Verification:** Implemented a secure 6-digit OTP verification system to authenticate users and admins using phone numbers, ensuring robust security.
- **Account Management:** Designed and implemented a unique account management system for users, enabling personalized access to platform services.
- **Services:** Developed two service types—Product Services for general products and Kitchen Services for food items, enhancing product categorization and user experience.

- **Admin Interface:** Created a highly efficient admin interface for uploading products under Product Services and food items under Kitchen Services, improving content management.
- **Customer Interface:** Developed an intuitive customer interface for browsing products and food items, and adding them to the cart, ensuring an engaging and user-friendly experience.
- **Cart Management System:** Engineered a professional cart management system for efficient shopping and smooth order processing, optimizing user checkout flow.
- **Order Management:** After successful payment, designed the system to allow admins to view detailed order information along with customer details.

[PrintoutApp](#) 

2023 - 2024

**Technologies & Deployment:** React Native, Spring Boot, MySQL, AWS, Google Play Store

**Purpose:** A service enabling students to upload PDF files and receive printouts before morning classes.

- **User Authentication:** Developed a **well-designed login page** that prompts users to enter their details, with **OTP verification** to ensure secure login and account creation.
- **Account Management:** **Automatic account creation** based on user login details, providing each student with a personalized printout order history.
- **PDF Upload:** Enabled users to **easily upload PDF files** from their local systems, simplifying the process of submitting printout orders.
- **Printing Options:** Provided multiple printing choices, including **single-sided, double-sided, color, and black & white**, ensuring flexible and customizable printouts.
- **Advanced Features:** Integrated advanced features allowing users to select **cover colors, binding types, taping, and stapling** options, enhancing user control over printout customization.
- **Order Management:** Designed an efficient **cart system** where users can add selected print options and proceed with their order placement after reviewing their choices.

[ChandraAI](#) 

2024 - 2025

**Technologies & Deployment:** ReactJS, CSS, NodeJS, MongoDB, ChandraServer, AI/ML, Ollama, Netlify

**Purpose:** To build an AI-driven chatbot platform utilizing the trained Ollama model to generate intelligent, context-aware responses to user queries in real-time.

- **AI & ML Integration:** Leveraged the Ollama AI/ML model to provide smart and adaptive responses, improving user engagement and satisfaction. The chatbot was trained to understand natural language queries, ensuring seamless conversations.
- **Frontend Development:** Designed and developed the frontend using **ReactJS** and **CSS**, creating an intuitive and user-friendly interface for smooth interaction with the AI chatbot. The UI adapts to different devices with a responsive design, ensuring accessibility across platforms.
- **Backend Development:** Utilized **NodeJS** and **MongoDB** for building a robust and scalable backend infrastructure. MongoDB served as a flexible NoSQL database to store user interactions and preferences, enabling personalized responses.
- **Secure Authentication:** Implemented **JWT (JSON Web Token)** and **OAuth** protocols for secure user authentication and authorization, ensuring safe data transactions and access control.
- **API Development:** Developed RESTful APIs for secure and efficient communication between the frontend and backend. The system employed **HTTPS** for encrypted data exchange, ensuring privacy and integrity of user data.
- **Scalability & Deployment:** Deployed the application on **Netlify**, ensuring high availability and

performance with easy scalability as user demands increase. Optimized deployment configurations to maintain fast response times and minimal downtime.

- **Advanced Features:** Incorporated **Natural Language Processing (NLP)** techniques to understand and process user queries with higher accuracy, enhancing the overall user experience.

## [Chandra-Website](#)

2025 - 2026

**Technologies & Deployment:** ReactJS, CSS, JavaScript, Netlify

**Purpose:** A personal portfolio website to showcase professional work and background.

- **AI Portfolio Design:** Created a visually appealing portfolio website to highlight my professional background, projects, and achievements.
- **Web Development:** Built the website using React.js for dynamic content rendering, JavaScript for logic handling, and CSS for responsive styling.
- **File Management:** Integrated features to allow visitors to view and download PDF files showcasing my work and achievements.
- **Deployment & Storage:** Utilized Dropbox for file storage, GitHub for version control, and Vercel for deployment, ensuring fast and reliable website performance.
- **Responsive Design:** Designed the website to be fully responsive, ensuring seamless viewing on both laptops and mobile devices, optimizing the user experience across different platforms.

## SKILLS

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- **Backend Development:** Spring Boot, Node.js, Express.js, API design
- **Frontend Development:** React Native, ReactJS, HTML, CSS, JavaScript
- **Database Management:** MySQL, MongoDB
- **Programming Languages:** Java, C, Python, JavaScript
- **Fundamental Knowledge:** Data Structures & Algorithms
- **Cloud Computing:** AWS (EC2, S3, RDS, CloudWatch), Docker
- **Version Control & CI/CD:** Git, GitHub, GitHub Actions, Netlify, Firebase
- **AI & Machine Learning:** AI/ML models, Chatbot development (Ollama)
- **DevOps & Deployment:** CI/CD pipeline, Docker, Google Play Console
- **Security:** JWT, OAuth, HTTPS

## SOFT SKILLS

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- **Problem-Solving & Critical Thinking:** Efficient in debugging, optimizing code, and architectural decision-making
- **Effective Communication & Technical Documentation:** Clear articulation of technical concepts in code comments, documentation, and team discussions
- **Team Collaboration & Agile Practices:** Proficient in Git workflows, code reviews, and Agile/Scrum methodologies
- **Time Management & Task Prioritization:** Skilled in juggling multiple tasks and meeting deadlines
- **Initiative, Ownership & Continuous Learning:** Passionate about self-learning and adopting new technologies
- **Technical Adaptability:** Quick to master and apply new APIs, tools, and frameworks in real-world projects
- **Creative Thinking in Design & Engineering:** Combine UI/UX design thinking with robust backend engineering solutions