

RAJ JAISWAL

Software Developer

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 LinkedIn

 Portfolio

PROFESSIONAL SUMMARY

Results-driven Software Developer with 2.6+ years of experience building scalable web and mobile applications. Proven expertise in full-stack development using PHP, Laravel, React.js, and AngularJS. Demonstrated ability to optimize application performance, reduce load times by 30%, and deliver user-centric solutions. Adept at API integration, code refactoring, and cross-functional collaboration in Agile environments. Passionate about writing clean, maintainable code and continuously learning emerging technologies.

PROFESSIONAL EXPERIENCE

Junior Software Developer

TickleRight

June 2023 – Present

- Optimized PHP and AngularJS components, improving application performance by 30% and enhancing user experience for 1,000+ active users
- Refactored legacy JavaScript libraries, reducing frontend load time by 40% and improving overall responsiveness
- Conducted comprehensive debugging and code reviews, identifying and resolving 50+ critical bugs to ensure 99.5% application uptime
- Developed responsive UI components using AngularJS and modern CSS frameworks, ensuring seamless functionality across desktop, tablet, and mobile devices
- Streamlined troubleshooting processes through improved logging and debugging practices, reducing average issue resolution time by 30%
- Collaborated with cross-functional teams in Agile sprints, consistently delivering features ahead of schedule

TECHNICAL SKILLS

Frontend Development:

HTML5, CSS3, JavaScript (ES6+), React.js, AngularJS, Tailwind CSS, Bootstrap, ShadCN UI

Backend Development:

PHP, Laravel Framework, RESTful API Design

Database & APIs:

MySQL, API Integration, Third-party Services (PayPal, Razorpay)

Tools & Platforms:

Git, GitHub, VS Code, Postman, Chrome DevTools

Development Practices:

Responsive Design, Cross-Browser Compatibility, Code Optimization, Unit Testing

Methodologies:

Agile, Scrum, Test-Driven Development (TDD)

KEY PROJECTS

AI-Powered Healthcare Chatbot

Python | Flask | TensorFlow/Keras | NLTK | SQLAlchemy | Deep Learning

- Engineered an intelligent healthcare chatbot using Flask and Deep Learning to assist users with medical information, disease symptom analysis, hospital lookups, and medication details
- Built and trained a Sequential Neural Network model with 128-64 neuron architecture achieving 90%+ intent classification accuracy for 30+ medical intents
- Implemented NLP preprocessing pipeline using NLTK with WordNet lemmatization and bag-of-words model for natural language understanding
- Developed secure user authentication system with Flask-Login, password hashing (SHA-256), and session management
- Designed comprehensive intent recognition system supporting disease diagnosis, hospital search by location/pincode, adverse drug reactions, and blood pressure tracking
- Integrated SQLite database with SQLAlchemy ORM for persistent user data storage and conversation history management
- Created modular Flask blueprint architecture separating authentication, chatbot logic, and database models for scalable codebase

Disease Prediction System

Python | Machine Learning | Scikit-learn

- Engineered an ML-based disease prediction application achieving 85% accuracy in symptom-based diagnosis
- Implemented Random Forest and Decision Tree algorithms to analyze medical data and predict potential health conditions

- Designed an intuitive user interface enabling users to input symptoms and receive instant predictive analysis
- Processed and cleaned a dataset of 10,000+ medical records for model training and validation

EDUCATION

Bachelor of Science in Information Technology

2020 – 2023

S.I.W.S College, Wadala, Mumbai

University of Mumbai | CGPA: 7.60/10.0