RAJAT PRADHAN

Software Developer

rajatpradhan011@gmail.com | +916009580782 | Assam, India |
www.linkedin.com/in/rajat-pradhan-a47b7b23b/ |
github.com/codemuji | codemuji.com

TECHNICAL SKILLS

Programming Languages: • JavaScript • TypeScript • PHP • SQL • Python • Golang
Frameworks & Libraries: Flutter, React.js, Node js, NEXTJS, Express.js, Tailwind CSS, Redux Toolkit, Socket.io
Developer Tools: Git, Docker, AWS, PostgreSQL, MongoDB, Redis, GitHub Actions
Other Skills: • Object-Oriented Programming • REST APIs • Software Development Life Cycle • MVC Architecture

EXPERIENCE

Software Engineer (Full Stack) June 2025 – current
India Web Designs Assam, India

- Engineered and optimized 5+ production Flutter applications, integrating REST APIs and reusable UI components to enhance performance and user experience..
- Led technical consultations for 10+ clients, translating complex requirements into detailed project scopes and consistently delivering production-ready software solutions on schedule.
- Architected scalable backend systems with secure JWT authentication and optimized REST APIs, developing responsive React/Node.js frontends for 3+ concurrent client projects.
- Mentored 15+ academy students in React, Node.js, and Express.js,

PROJECTS

GeoSentinelAI – AI-Powered Earth Observation & Satellite Image Analysis Platform july 2026 – Present
| React • Node.js • Python • AI • Remote Sensing • Sentinel-2 • GeoJSON • Leaflet

- Developing an AI-powered Earth Observation platform that automates Sentinel-2 satellite imagery acquisition, preprocessing, AI inference, and report generation for geospatial analysis.
- Designing a backend pipeline to automate satellite image acquisition, preprocessing, AI inference, and report generation.
- Integrating interactive map visualization with GeoJSON, Leaflet, and geospatial APIs.
- Building a modular architecture to support land-use monitoring, infrastructure detection, vegetation analysis, and change detection

- Applying software engineering principles to create scalable Earth Observation workflows for intelligence and surveillance applications.
- Designing the platform to support computer vision workflows for land-use classification, infrastructure detection, and change detection.

GeoRepo — AI-Powered Geological Field-to-Report Platform july 2026 – Present

TypeScript, React, PWA, IndexedDB, Leaflet/MapLibre, OpenAI Whisper, LLMs

- Built an **offline-first Progressive Web App** for geological field data collection, capturing GPS coordinates, altitude, timestamps, photos, audio notes, and structural measurements with local IndexedDB caching.
- Developed an **AI-assisted field-to-report pipeline** using OpenAI Whisper and LLMs to transcribe freeform field observations and extract structured geological entities.
- Implemented a **GIS verification workbench** with interactive station mapping, traverse tracking, strike/dip visualization, synchronized photos/audio, and station verification workflows.
- Automated generation of **professional `.docx` geological reports and complete project archives**, including station registers, structural tables, photo plates, CSV/GeoJSON data, and raw field media.

AI/Product Engineer — Webotapp AI CRM july 2026 – Present

Webotapp | AI CRM, WhatsApp Automation & Business Automation Platform

- Contributed to an **AI-powered CRM platform** that automates lead capture, customer support, qualification, follow-ups, appointments, and sales workflows across WhatsApp and other business channels.
- Worked on **AI-driven automation workflows** for intelligent customer conversations, lead intent analysis, prospect scoring, personalized follow-ups, and conversion-focused sales processes.
- Developed and improved product features across a **full business growth suite**, including CRM, WhatsApp inbox, appointment scheduling, quotations, invoicing, analytics, project management, and document workflows.
- Helped build a **scalable, automation-first SaaS experience** designed to reduce manual operations and give businesses real-time visibility into leads, customer interactions, and revenue performance.

UConnect Expert – Flutter Application Feb 2024 – Aug 2025

Flutter, Dart, REST API

- Developed a Flutter application for experts to manage customer interactions and professional workflows.
- Implemented real-time video calling using Agora, enabling users to conduct in-app consultations.
- Integrated secure REST APIs for authentication, user management, and dynamic application data.

India Web Designs – Business Website & Platform June 2026 – August 2026

github.com/codemuji/AI-based-High-conversion-digital-agency

| Next.js, TypeScript, PostgreSQL, Neon, Tailwind CSS

- Developed and deployed the production website for India Web Designs using Next.js and TypeScript, delivering a responsive and performance-focused platform for the company's digital services.
- Designed and integrated a PostgreSQL database using Neon, handling application data with a cloud-hosted relational database.
- Built reusable, responsive UI components with Tailwind CSS and optimized the application for performance, maintainability, and user experience.
- Took the project from development to production deployment, independently handling implementation, database integration, configuration, and deployment.

EDUCATION

Rajiv Gandhi University Aug 2019 – May 2022

Bachelor of Science in Geology Percentage: 71.6% Itanagar , Arunachal Pradesh

Rajiv Gandhi University Aug 2022 – May 2024

Masters of Science in Applied Geology Percentage: 81% Itanagar , Arunachal Pradesh

CERTIFICATION

Webotapp Academy , Guwahati Nov 2024 – June 2025

Full Stack Developement - LAMP Stack Guwahati, Assam