

RACHIT RAJESH PEDNEKAR

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Profile

Results-driven Software Engineer with 3+ years of experience building scalable full-stack applications and AI-powered tools using Java, Python, Spring Boot, React, and cloud technologies to solve real-world problems and provide impact.

Technical Skills

Languages: Java, Python, C/C++, JavaScript, TypeScript, SQL, NoSQL, HTML/CSS

Frameworks: Spring Boot, Spring MVC, Spring Data JPA, Spring Security, React.js, Next.js, Node.js, Express.js, Flask, Tailwind CSS, Prisma, Zod, Recoil, Streamlit, Redux, LangChain, LangGraph, pandas, NumPy, scikit-learn, PyTorch

Platforms: MySQL, PostgreSQL, MongoDB, Redis, Docker, Kubernetes, AWS, Firebase, Cloudflare Workers, Prometheus, Grafana, Nginx, Kafka

Tools: Git, GitHub

Methodologies: RESTful API Design, Microservices, MVC Architecture, Object-Oriented Programming (OOP), Test-Driven Development (TDD), CI/CD, Agile/Scrum

Professional Experience

ITJOBSXS

Nov 2022 – Dec 2023

Software Development Engineer, Remote

- Designed and developed a fully responsive QNA web portal using HTML, CSS, JavaScript, Bootstrap, PHP, MySQL, improving user engagement and reducing bounce rate by 30%.
- Implemented advanced bot-detection mechanisms (domain-based filtering and Google reCAPTCHA) to eliminate fake account creation, cutting spam database entries by 95% and extending server efficiency.

CodeWind Technologies

Jun 2022 – Sep 2022

Machine Learning Engineer Intern, Remote

- Engineered a crime rate prediction model for India and the USA using K-means clustering on 10,000+ Kaggle records, improving hotspot detection accuracy by 41% and enhancing risk-based decision-making.
- Enhanced clustering coherence by 22% and accelerated geospatial analysis time by 40% by implementing Python (pandas, NumPy) clustering with silhouette analysis and creating interactive regional crime maps in Google Outreach Maps

Laxmi Industries Private Limited

Jan 2021 – Apr 2021

Full Stack Developer Intern

- Developed an inventory management system for the company's workshop and storage facility using React.js, Node.js, and MongoDB, reducing stock discrepancies by 35% through real-time inventory tracking.
- Led migration of company website from PHP to a React.js frontend with Node.js/Express and MongoDB, improving performance and page-load speed by 50% by implementing RESTful APIs, optimizing NoSQL data models/queries, and containerizing services with Docker and GitHub CI/CD

Education

Concordia University

Sep 2023 – May 2025

Montreal, Canada

Master of Engineering, Software Engineering

Vasantdada Patil Pratishthan's College of Engineering

Aug 2019 – May 2023

Mumbai, India

Bachelor of Computer Engineering

Projects

Lovable Clone

Jan 2026

- Architected a microservices-based platform that automates full-stack web application generation using LLMs, mirroring the functionality of industry leaders like Lovable/v0.
- Built a custom Reverse Proxy (Node.js & Redis) to handle dynamic wildcard routing (*. app.domain.com), mapping 10,000+ potential ephemeral subdomains to internal cluster IP addresses with <10ms lookup overhead. Integrated Tool calling to reduce the amount of context tokens by 50% therefore improving the latency by 50%.

[Code](#) | [Springboot, Spring AI, Open Router, Kubernetes, Kafka, Redis, Node.js]

CloudShare

Oct 2025

- Implemented secure file-management platform that increased authenticated uploads/downloads 30% and cut user onboarding time 50%, by building a React frontend and Spring Boot 3 backend with Clerk- and JWT-secured APIs, automatic profile creation and role-based access, Stripe Checkout credit-based upload workflow with webhook verification, deployed on Vercel/Render and MongoDB

[Website](#) | [React, Spring Boot 3, MongoDB]

Splitr

Aug 2025

- Implemented an AI-powered expense-sharing platform, reducing time-to-settlement by 40% and improving reconciliation accuracy by 30% by integrating Clerk authentication, a Convex backend, automated Inngest/Resend/Gemini reminders and insights, and a responsive Tailwind CSS/Shadcn UI dashboard

[Website](#) | [Next.js, Convex, Gemini API]

CURSORCLI

Jul 2025

- Developed an AI-powered CLI that automated software project initialization, reducing setup time by up to 70% and enabling ~5x faster prototyping, by integrating LLM-based decision logic to generate validated project structures, configuration files, and CI/CD-ready execution scripts across multiple technology stacks.

[Code](#) | [Node.js, TypeScript, Gemini API]