

# Ritesh Kumar Pandey

Linkedin: Ritesh/Linkedin  
Github: github.com/Ritesh

Email: Rajpandey3942@gmail.com  
Mobile: +91-6392817760

## EDUCATION

- United Institute of Technology** Prayagraj, India  
*Bachelor of Technology - Computer Science and Engineering* July 2021 - June 2025  
*Courses: Operating Systems, Data Structures, Database Management Systems, Networking, Object-Oriented Programming (OOP)*

## SKILLS SUMMARY

- Programming Languages:** JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3
- Frontend Frameworks & Libraries:** React, Next.js, Redux Toolkit, Framer Motion, GSAP, Tailwind, Webpack, Vite
- UI/UX:** Figma, Adobe XD, Responsive Design, Accessibility (WCAG), Design Systems
- Backend & APIs:** REST, GraphQL, JWT, Firebase, MongoDB, MySQL
- Performance & Testing:** Core Web Vitals, Lighthouse, Jest
- Advanced JS:** Async/Await, Closures, Event Loop, Debouncing/Throttling, Memory Optimization
- DevOps & Infra:** Git, Docker, GitHub Actions, Vercel, Render, CI/CD
- Soft Skills:** Team Collaboration, Public Speaking, Time Management, Active Listening

## EXPERIENCE

- Novexus Technology Private Limited** Remote/Hybrid  
*Web Developer Intern* June 2024 - Oct 2024
  - Built responsive scalable web apps using HTML, CSS, JS, and React with cross-browser support.
  - Collaborated in team of 5 to improve deployment speed by 20% through sprints and feedback.
  - Integrated Git-based version control and CI/CD pipelines, resulting in a 15% faster deployment frequency and reducing the average deployment time by approximately 8 minutes per release, contributing to enhanced productivity.

## PROJECTS

- NextGen Medicine Recommendation System(AI/ML):** *ReactJS, Python, Pandas, Papa parse, Gemini API* March '25
  - Addressed the lack of tailored medicine suggestions by building a full-stack personalized platform using HistGradient Boosting and Gemini API for real-time, symptom-based recommendations.
  - Enabled intelligent treatment suggestions by integrating Scikit-learn, Pandas, and OpenFDA API for adaptive analysis and cross-brand medicine alternatives.
  - Improved user experience and security by developing a responsive React front-end (with CSV support via Papa Parse) and securing back-end APIs with JWT and role-based access control.
- Notetify – Smart Note-Taking Web App:** *ReactJS, NodeJS, ExpressJS, MongoDB, JWT, TailwindCSS* August '24
  - Solved the need for web app, secure personal note management by developing a full-stack note app with JWT-based user authentication and RESTful APIs.
  - Advanced user experience through a responsive Tailwind CSS UI with Framer Motion animations and performance optimization via lazy loading.
  - Streamlined data flow using Axios for API requests and configured Express.js routing with CORS for seamless front-end-back-end communication.
- Food Recipe Finder Web App:** *HTML5, CSS3, JavaScript, RESTful APIs* July '24
  - Developed a responsive full-stack recipe application that dynamically retrieves data from external REST APIs based on user input.
  - Implemented responsive design principles and smooth animations using CSS3, leading to a 30% improvement in average time spent on the recipe browsing page for all users.
  - Ensured scalability and collaboration using Git for version control and followed agile methodologies within a team-based development workflow.

## PUBLICATIONS

- Disease Prediction and Medicine Recommendation (ICDAM 2025):** AI-Based Medical Predictions Using HistGradientBoosting Random Forest - Award-winning published research focused on ML-driven diagnostics using Python (Scikit-learn) and ReactJS for front-end visualization. *Tech: AI/ML, Python, ReactJS, JWT, Scikit-learn* June '25

## HONORS AND AWARDS

- Led the team to first place in the inter-college table tennis championship for 3 consecutive years (2022–2024).

## CERTIFICATIONS

- AWS APAC Solutions Architecture Virtual Experience Program – Forage** Prayagraj, India  
*Virtual Internship* Nov 2024 – Dec 2024
  - Scalable Solution Design:** Designed a client-ready, scalable hosting architecture using AWS Elastic Beanstalk, focusing on high growth, high traffic, and low latency response times.
  - Client-Centric Communication:** Translated technical AWS architecture and costing strategy into simplified terms to ensure complete understanding and alignment of the stakeholder.