

# RAMESHWAR PRAKASH BHAGWAT

B.Tech IT Student | AI & Machine Learning Engineer | Full Stack Developer

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## PROFESSIONAL SUMMARY

Outcome-focused Information Technology undergraduate specializing in AI/ML, Full Stack Development, and Software Engineering. Engineered 4+ production-grade web and mobile applications using Next.js, React, Node.js, MongoDB, and Supabase. Proficient in Agile/Scrum methodologies, RESTful and GraphQL API design, CI/CD pipelines via GitHub Actions, and cloud deployments on AWS. Enthusiastic about advancing AI/ML expertise through hands-on work with LLMs, LangChain, TensorFlow, and PyTorch. Committed to building high-performance, scalable, Microservices-based systems that deliver measurable real-world impact.

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, TypeScript, C, SQL

**Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind CSS, Framer Motion, React Three Fiber (R3F), GSAP

**Backend:** Node.js, Express.js, REST APIs, GraphQL, Microservices, JWT Authentication, Supabase, Firebase

**Databases:** MongoDB, MySQL, PostgreSQL, Supabase

**AI / ML:** NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch, LangChain, Ollama, OpenAI API, Gemini API, Prompt Engineering

**DevOps & Cloud:** Git, GitHub, CI/CD (GitHub Actions, Jenkins), Docker, Kubernetes, Terraform, AWS (EC2, S3), Vercel, Netlify, Agile/Scrum

## EDUCATION

**B.Tech in Information Technology** | Sanjivani College of Engineering, Kopergaon, Maharashtra

Aug 2024 – May 2028 (Expected)

- CGPA: 8.14 / 10 | Relevant Coursework: DSA, OOP, DBMS, Software Engineering, AI, Machine Learning, Computer Networks, OS

## PROJECTS

**Personal Portfolio** | Next.js • TypeScript • React Three Fiber • GSAP • Framer Motion

Jan 2026 – Feb 2026

- Designed a 3D portfolio using React Three Fiber and GSAP, boosting Lighthouse performance to a 95+ score with optimised asset delivery.
- Created a GitHub Actions CI/CD pipeline that cut deployment time by 40% through automated testing, linting, and staging workflows.
- Reduced initial bundle size by 35% using lazy loading and code splitting, resulting in significantly faster page load times.

**Safecoast — Coastal Hazard Intelligence Platform** | Next.js • TypeScript • Node.js • Tailwind CSS

Sep 2025 – Dec 2025

• OpenWeather API

- Built a real-time coastal hazard monitoring and alert system integrating the OpenWeather API to deliver live environmental risk insights.
- Implemented a GraphQL API layer to streamline dashboard data fetching, reducing redundant network requests by 40%.
- Developed predictive coastal risk visualisations and deployed the platform on Vercel with an automated CI/CD pipeline.

**Agro Krishi Seva Kendra** | Kotlin • Android Studio • Firebase

May 2025 – Aug 2025

- Delivered an Android application enabling 200+ farmers to access agricultural products and services, backed by Firebase real-time data sync.
- Achieved a 4.5★ usability rating in internal testing; reduced product browsing time by 50% through targeted UX improvements.

**Library Management System** | React • Node.js • Express.js • MongoDB

Mar 2026 – Apr 2026

- Developed a full-stack Library Management System with role-based access control, reducing book mismanagement incidents by 80%.
- Built RESTful APIs serving 1,000+ daily requests with a sub-200 ms average response time using Express.js and MongoDB indexing.
- Managed AWS infrastructure as code with Terraform, cutting manual provisioning time by 70% and ensuring consistent environments.

## ACHIEVEMENTS & CERTIFICATIONS

- Solved 150+ algorithm challenges on LeetCode, consistently ranking in the top 30% for problem-solving speed and code efficiency.
- Completed advanced coursework in TensorFlow, PyTorch, LangChain, and LLM integration through structured, hands-on implementations.
- Applied Agile Scrum methodology across all major projects, delivering every milestone on schedule through iterative sprint planning.
- Deployed 4+ full-stack applications with 99.9% uptime on Vercel and Netlify, automated via GitHub Actions and Jenkins CI/CD pipelines.

## LANGUAGES

**English** — Professional Working Proficiency

**Hindi** — Native

**Marathi** — Native