Dipak **Rathod**

SOFTWARE ENGINEER

Kannad, Chhatrapati Sambhajinagar, Maharashtra, India

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"Be the change that you want to see in the world."

Summary

Computer Science student and aspiring Full-Stack Developer with growing experience in modern web technologies including React, Node.js, and TypeScript. Actively developing skills in cloud infrastructure (AWS) and DevOps practices while working on multi-tenant web applications with SQL databases and Prisma ORM. Eager to expand knowledge in Python, Go, and distributed systems through hands-on international experience.

Founder and leader of the university-recognized Code Crafter 24x7 Student Community, demonstrating passion for technology education and collaborative learning. Committed to continuous skill development through certifications in cloud computing, Linux administration, and emerging technologies. Looking to apply my technical foundation, community-building experience, and enthusiasm for learning in a global tech environment like Hennge's internship program in Japan.

Education

Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar   *Maharashtra, India*
M.C.A. (MASTER OF COMPUTER APPLICATION)   *Jul. 2023 - Expected 2025*
- Relevant coursework: Data Structures, Algorithms, Cloud Computing, Operating System, Networking

Shivaji College Kannad, Chhatrapati Sambhajinagar   *Maharashtra, India*
B.Sc. (BACHELOR OF SCIENCE)   *Jul. 2020 - Jun. 2023*
- Coursework: Mathematics, Physics, Chemistry

Skills

Programming	JavaScript, TypeScript, Python, Java, SQL, Basic Go
Web Development	HTML5, CSS3, React.js, Next.js, Node.js, Express.js, RESTful APIs, MongoDB, Prisma ORM
DevOps & Cloud	AWS, Docker, Terraform, Git, Linux
Development Stack	MERN Stack, REST APIs
Tools	VS Code, Postman, GitHub

Work Experience

(U.N.I.C) Dr. Babasaheb Ambedkar Marathwada University Chhatrapati Sambhajinagar   *Maharashtra, India*
LEAD FULLSTACK DEVELOPER INTERN   *Dec. 2024 - Present*
- Lead and manage development team, ensuring project delivery and code quality standards
- Design and implement system architecture for scalable web applications
- Create and maintain Software Requirements Specification (SRS) documentation
- Oversee project management, including task allocation, timelines, and deliverables
- Collaborate with stakeholders to gather requirements and translate them into technical specifications
- Implement best practices in software development and maintain technical documentation

Projects

National Scheme Services Management Web Application (Ongoing Development)   *Internship Project*
FULL STACK DEVELOPER   *Jan. 2025 - Present*
- Currently developing a multi-tenant web application using React, Express.js, Node.js, and SQL database with focus on scalability and security
- Designing and implementing backend services using Express.js with Prisma ORM for efficient SQL database operations and type safety
- Creating system architecture and database schema optimized for multi-tenant data isolation
- Building RESTful APIs, JWT authentication, and role-based access control for different tenant organizations
- Actively collaborating with team using Agile methodologies and version control (Git) on organization's private repository

Employee Directory Web Application Deployment   *Personal Project*

DEVOPS ENGINEER   *Nov. 2024*

- Deployed a scalable employee directory web application on AWS using EC2 instances
- Configured a Virtual Private Cloud (VPC) to create a secure, isolated network architecture
- Implemented an Application Load Balancer (ALB) for efficient traffic distribution
- Set up Auto Scaling Groups, ensuring high availability across two availability zones
- Source code available on GitHub: view

NGO Management Full-Stack Web Application   *Academic Project*

FULL STACK DEVELOPER   *Aug. 2024*

- Developed a full-stack web application for NGO management using the MERN stack
- Integrated AWS S3 for file storage to enhance data management and accessibility
- Hosted a MySQL database on an AWS EC2 instance for robust data management
- Created features for volunteer management, event scheduling, and donation tracking
- Source code available on GitHub: view

Certificates & Courses

2025	**Microsoft Certified: Azure Fundamentals**, Microsoft	*View Credential*
2025	**AWS Certified Cloud Practitioner**, Amazon Web Services (AWS)	*View Credential*
2025	**Building LLM Applications With Prompt Engineering**, NVIDIA Deep Learning Institute	*Ongoing*
2025	**Microsoft Python Development Professional Certification**, Microsoft Coursera	*Ongoing*
2025	**TypeScript Fundamentals**, Frontend Masters	*View Certificate*
2025	**AWS RE/START Program**, Amazon Web Services (AWS)	*View Badge*
2024	**Red Hat Certified System Administrator (RHCSA)**, KodeKloud	*View Certificate*
2024	**DevOps Mastery Specialization**, KodeKloud Coursera	*View Certificate*
2024	**Google IT Support Professional Certificate**, Google Coursera	*View Certificate*

Extracurricular Activity

Code Crafter 24x7 Student Community   *UDMS, Dr. Bamu*

FOUNDER & COMMUNITY LEADER   *Oct. 2024 - Present*

- Established and grew a community focused on coding, hackathons, certifications, and mentoring.
- Organized offline and online workshops and learning sessions, collaborating with Shivaji College Kannad and Hi-Tech Institute of Technology for wider outreach.
- Community officially recognized by Dr. Babasaheb Ambedkar Marathwada University - View Recognition.