Dipak **Rathod**

Kannad, Chhatrapati Sambhajinagar, Maharashtra (India)

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

Objective

Motivated MCA final year student with a keen interest in DevOps, Cloud computing, and MERN fullstack development. Eager to apply my academic knowledge to real-world challenges and contribute to innovative projects as an intern, while continuing to grow and learn in a dynamic work environment.

Education

Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar   *Maharashtra, India*
MCA (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)   *Mar. 2010 - Aug. 2017*
- Coursework: Mathematics, Physics, Chemistry

Skills

Programming	JavaScript, TypeScript, Python, Java, C++, SQL
DevOps	Docker, Kubernetes, Ansible, Jenkins, Terraform, GitHub Actions
Cloud Platforms	AWS, Microsoft Azure, Google Cloud Platform
Tools	Git, Visual Studio Code, Postman
Operating Systems	Linux, Windows
Tech Stack	MERN (MongoDB, Express, React, Node.js)

Projects

Academic Project

National Scheme Services Management Web Application   *Ongoing since Oct. 2024*
- **Developing** a full-stack web application to manage national scheme services using the MERN stack (MongoDB, Express.js, React, Node.js).
- **Authored** a comprehensive Software Requirements Specification (SRS) document, detailing both functional and non-functional requirements.
- **Implementing** features such as user authentication, service tracking, and real-time notifications.

Personal Project   *source code | view*

Employee Directory Web Application Deployment   *Completed 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 across multiple instances.
- **Set up** Auto Scaling Groups, ensuring high availability and load distribution across two availability zones.

Academic Project   *source code | view*

NGO Management Full-Stack Web Application   *Completed 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 to ensure robust and reliable data management.
- **Created** features for volunteer management, event scheduling, and donation tracking.

Courses and Certificates

KodeKloud   *Coursera | Online*
DevOps Mastery Specialization (view certificate)   *Oct. 2023*

Google   *Coursera | Online*
Google IT Support Professional Certificate (view certificate)   *Sep. 2023*

Positions of Responsibility

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

FOUNDER & COMMUNITY LEADER   *Apr. 2023 - 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.