

# SANKET PISE

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## Profile Summary

Cloud DevOps Engineer with hands-on experience in managing and automating cloud infrastructures. Proficient in AWS services, DevOps automation tools and Networking. Skilled in daily troubleshooting to ensure seamless operations.

## Education

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### Swami Ramanand Teerth Marathwada University Nanded.

Master of Computer Application (MCA)

- 77.22%

### G.S Science & Commerce College Khamgaon | SGB University Amravati.

Bachelor of Computer Application (BCA)

- 71.60%

## Technical Skills

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| • <b>Operating System:</b>                                       | Linux                            |
| • <b>Cloud Platform:</b>   | Amazon Web Services (AWS)        |
| • <b>Containerization and Orchestration Tool:</b>                | Docker, Kubernetes               |
| • <b>Infrastructure as Code (IAC) &amp; Configuration Tools:</b> | Terraform & Ansible              |
| • <b>Version Control Tool:</b>                                   | Git/GitHub                       |
| • <b>CI/CD &amp; Team Collaboration Tool:</b>                    | Jenkins & Jira                   |
| • <b>Monitoring &amp; Logging Tool:</b>                          | Cloud-watch, Prometheus, Grafana |
| • <b>Database:</b>   | MYSQL                            |

## Projects

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- **Three Tier Architecture**
  - Designed and deployed a secure, high-availability three-tier architecture using VPC with public and private subnets for web, app, and database tiers.
  - Configured Security Groups, NACLs, public/private route tables, Internet Gateway, and NAT Gateway for secure resource access and communication.
  - Implemented fault-tolerant architecture with subnets across multiple Availability Zones for redundancy and resilience.
  - Deployed MySQL RDS for scalable and secure backend data storage with private subnet access controls.
  - Hosted frontend (HTML) on the web tier and backend (PHP) on the app tier for clear functional separation.
  - Used NAT Gateway in private app tier for secure outbound traffic and resource downloads.
  - Enabled seamless data flow from frontend (web tier) to backend (app tier) and database (RDS)
- **Node.js CI/CD Automation with Jenkins** ( <https://github.com/sanketpatil461/nodepipeline.git> )
  - Designed and implemented a Jenkins pipeline to automate code pulling, building, testing, and deploying a Node.js application on a remote server.
  - Integrated Git with Jenkins, enabling automatic code retrieval from a GitHub repository setting Webhooks.
  - Configured Jenkins to install dependencies (npm install) and execute unit tests using Mocha.
  - Set up SSH authentication in Jenkins using the SSH Agent plugin for secure deployment on a remote server.
  - Installed and configured Node.js, npm, and PM2 on a deployment server for efficient process management.
  - Utilized shell scripting within Jenkins to automate deployment steps, including git pull, npm install, and pm2 restart.