CHETAN CHANDANE

+1(585)-230-1082 ◇ Rochester, NY
cc5831@rit.edu ◇ linkedin.com/in/chetanchandane ◇ Chetan-Portfolio

EDUCATION

Master of Science, Computer Science, Rochester Institute of Technology **Dec 2025**
Relevant Coursework: Engineering Cloud Software Systems, Data Structure and Algorithms

Bachelor of Technology, Information Technology, Mumbai University **Oct 2020**
Relevant Coursework: Networking & Cloud Computing, Operating Systems, Database Management

SKILLS

Languages/OS:	Python, Golang, Javascript, SQL, Bash, Shell, Linux/Unix, macOS
Databases:	MySQL, PostgreSQL, MongoDB, Aurora, Redis
AWS Services:	Lambda, EC2, S3, CloudWatch, IAM, VPC, ELB, RDS, SNS, EKS, ECS, Fargate
DevOps:	Terraform, Kubernetes, GitHub, GitHub Actions, Docker, Helm, Jenkins, ArgoCD, Ansible, CircleCI, GitLab CI, Nginx, HashiCorp Vault
Monitoring:	Prometheus, Grafana, ELK, ServiceNow
Certifications:	AWS Solutions Architect Associate, AWS Certified Cloud Practitioner

EXPERIENCE

Graduate Research Assistant, Rochester Institute of Technology **Dec 2024 - Present**

- Created customized Python scripts to handle 1000+ target databases and experimental inputs, facilitating scalable and reproducible mass spectrometry analyses
- Developed and managed Bash scripts to automate Python-driven proteomics workflows on HPC clusters, achieving enhanced operational efficiency and cutting manual tasks by 100%

DevOps Engineer, Vodafone Intelligent Solutions **Oct 2021 - June 2023**

- Automated infrastructure provisioning for microservices and Kubernetes on AWS using Terraform, cutting manual configuration efforts by 40% and improving deployment consistency
- Designed and managed AWS VPCs, Load Balancers (ALB/NLB), EC2, and IAM policies, optimizing network security and traffic flow for scalable cloud applications
- Spearheaded the containerization of microservices for three development teams using Docker and Kubernetes, improving deployment consistency and reducing infrastructure provisioning time by 30%
- Led the organization's Kubernetes adoption, optimizing resource allocation and reducing cloud infrastructure costs by 20%, enhancing operational efficiency
- Established Terraform remote backend and state locking using AWS S3 and DynamoDB, improving team collaboration and infrastructure consistency across multiple development teams
- Resolved critical production incidents, ensuring 99.9% system availability, minimizing downtime, and mitigating business impact

RELEVANT PROJECT

Cloud Native Web Application **Jan 2025**

- Automated infrastructure provisioning using Terraform, reducing environment setup time by 50% and ensuring consistent deployments across development environments
- Designed and deployed a scalable Node.js application on Amazon ECS with Fargate, achieving 99.9% uptime
- Implemented a GitLab CI/CD pipeline with Terraform integration, enabling automated infrastructure updates and reducing deployment time by 40%
- Configured AWS CloudWatch and SNS for monitoring and alerting, improving incident response times by 30% and ensuring high availability
- Secured the application using Terraform-managed IAM roles, VPC configurations, and encrypted ECR repositories, reducing potential vulnerabilities by 35%