

# Ninad Dhuri

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## EDUCATION

### Master of Science, Computer Engineering

San Jose State University, San Jose, California

May 2024

### Bachelor of Engineering, Computer Science

Terna College of Engineering, Mumbai, India

Aug 2019

## TECHNICAL SKILLS

**Languages:** Java, C++, Golang, Python, JavaScript, TypeScript, Ruby, PHP, HTML, CSS

**Frameworks & Libraries:** Node.js, React.js, Angular, Django, Flask, Ruby on Rails, Bootstrap, React Native

**Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS, CloudFormation), GCP, Azure, Docker, Kubernetes, Jenkins

**Testing & Tools:** JUnit, Selenium, Postman, Git, GitHub, REST APIs, Apache Kafka

**Databases:** MySQL, MongoDB, SQLite, OracleDB, Amazon Redshift

**Other:** JSON, WebSockets, OAuth 2.0

## EXPERIENCE

### Research Assistant, San Jose State University, CA, USA

June 2024 – Present

- Designed a robust CI/CD pipeline using Jenkins and GitHub Webhooks to automate build, test, and deployment for a Spring Boot backend, reducing manual deployment time by 80%.
- Deployed artifacts using Maven to AWS EC2 with secure SSH access and user-data scripts for seamless environment provisioning.
- Served static content via S3 with pre-signed URLs, improving access security and reducing response latency.
- Engineered the persistence layer with Hibernate and optimized HikariCP pools, increasing DB throughput by 40%.

### Software Engineer, Blackmore Partners, Chicago

Jun 2023 - Dec 2023

- Deployed a scalable ticketing system on Azure, cutting resolution time by 25% and improving SLA compliance.
- Built Python-Flask applications for data summarization and personalized recommendations; improved analysis time by 30%.
- Led adoption of React and Node.js, accelerating feature deployment by 20% and enabling cross-functional code reuse.

### Software Engineer, Ugam, Mumbai, India

Jan 2021 - Jun 2021

- Deployed Kubernetes-based orchestration across AWS and GCP clusters, reducing system downtime by 35%.
- Developed custom Kubernetes operators and automated QA pipelines, maintaining 99.9% data accuracy over 400+ market surveys.

### Software Engineer, Reliance Jio, Navi Mumbai, India

Aug 2019 - Jan 2021

- Optimized Elasticsearch indexing with asynchronous BulkProcessor, cutting latency by 50%.
- Automated archival of MySQL data to AWS Redshift via Data Pipeline, streamlining analytics workflows.
- Developed full-stack applications using React, Node.js, and MongoDB, enhancing user performance across platforms.
- Built and maintained CI/CD workflows using Jenkins, Docker, and K8s, reducing deployment failures by 70%.
- Conducted functional testing on 100+ apps with JUnit and Selenium; reduced bug backlog by 75%.

## PROJECT EXPERIENCE

### Movie Sentiment Analysis, San Jose State University

Nov 2021- Jan 2022

- Developed a scalable sentiment analysis pipeline using SparkML and Spark SQL to classify movie reviews, helping studios predict viewer sentiment and optimize content strategies.
- Leveraged R for exploratory data analysis and visualizations using ggplot2, identifying key sentiment trends across 100K+ reviews.
- Implemented a distributed data storage solution using Apache Cassandra, enabling efficient handling of high-volume streaming data.

### Tinder for Dogs, San Jose State University

Aug 2021 - Oct 2021

- Designed a pet matching algorithm using KNN and collaborative filtering on a dataset of 24,000+ dogs.
- Built real-time chat with Node.js and Socket.IO, improving message delivery speed by 30%.
- Integrated Google Maps API and OAuth for location-based search and social login, increasing user sign-ups by 25%.

### Handheld Paint Application with Cloud Storage, Terna Engineering College

Jan 2019 - Jul 2019

- Developed a custom embedded OS and touchscreen paint interface using Embedded C on ARM microcontrollers, reducing hardware cost by 60%.
- Built low-level file I/O systems for NOR flash storage, ensuring fast and persistent image saves.
- Enabled cross-device access with cloud syncing using a LAMP-based backend hosted on XAMPP.