

Nimish Rao

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TECHNICAL SKILLS

- **Languages:** Java, Python, SQL, HTML/CSS, JavaScript
- **Tools/Technologies:** Maven, Docker, Git, CI/CD Pipelines, Microservices, RESTful APIs
- **Libraries/Frameworks:** Spring Boot Spring Framework (Core, MVC) Hibernate (JPA) FastAPI JSP (JavaServer Pages) Scikit-learn

EDUCATION

VIT Bhopal University

B.Tech Computer Science Engineering with spec. in AIML - 8.01 CGPA

Bhopal, MP

Sept. 2022 – June 2026

Sai Shree International Academy

Class-XII - 81.8%

Ratlam, MP

April 2020-May 2021

Sai Shree International Academy

Class-X - 91.2%

Ratlam, MP

April 2018-March-2019

PROJECT

QuikShop

Java, Spring Boot, MySQL, HTML, CSS, REST API

[Github link](#)

- Developed a full-stack e-commerce platform with user authentication, product listings, cart, and order management.
- Built RESTful APIs using Spring Boot and implemented data persistence with Hibernate and MySQL.
- Integrated payment gateway simulation for checkout process and order confirmation.
- Created responsive UI with HTML, CSS, and JSP, improving load times by **30%**.
- Tested **100+** API endpoints with Postman, achieving **95%** coverage and ensuring reliability.

PerMonML

FastAPI, Prometheus, Grafana, Docker

[Github link](#)

- Engineered a real-time ML monitoring system to track 500+ model predictions/day with ≤ 5 s latency.
- Integrated Prometheus and Grafana to visualize performance metrics (accuracy, F1-score, latency) and detect model drift.
- Automated logging and monitoring, reducing model debugging time by **60%** via FastAPI middleware.
- Deployed containerized services using Docker on cloud VM, achieving **99.9%** uptime and seamless scalability.
- Configured alerting for anomalies, ensuring **100%** observability across model lifecycle.

CERTIFICATION

- Artificial Intelligence powered by Google developers SmartInternz, April 2025
- Machine Learning with Python Machine Learning with Python Coursera, May 2025
- HTML, CSS and Javascript for Webdevelopers Coursera, December 2023

ACHIEVEMENTS

- Implemented a rigorous data preprocessing pipeline for Kaggle competition datasets, boosting model accuracy by 12%.
- Spearheaded a team of five volunteers for VITB MUN'24, securing venue sponsorships and enhancing the event's overall accessibility to participants.
- Created a photography portfolio that garnered positive feedback and recognition from peers in online communities