

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%

Ratlam, MP

Sai Shree International Academy

Class-X - 91.2%

Ratlam, MP

PROJECT

E-commerce Web Application

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

[Github link](#)

- Designed and developed a full-stack e-commerce platform supporting user authentication, product listings, shopping 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.
- Enabled responsive UI using HTML, CSS, and JSP; improved user experience and reduced page load times.
- Tested and validated **100+** API endpoints using Postman, achieving 95% test coverage.

Real-Time ML Monitoring App

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

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|---|--------------------------|
| • 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

- Competed in Kaggle competitions, developing high-performing ML models and improving skills in data preprocessing and model evaluation.
- Successfully spearheaded the organization of VITB MUN'24 with 50+ delegates;