

# Prayag Gupta

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Aspiring AI Engineer focused on backend optimization and AI-driven automation.

## EXPERIENCE

### TATA CONSULTANCY SERVICES | DATABASE ADMINISTRATOR, SYSTEM ENGINEER

May 2024 -- Present

- Enhanced a critical SQL query, cutting runtime from 1 hour to 12 seconds and correcting logic errors for accurate results.
- Optimized and adapted multiple queries and automation scripts for ExaCC (Exadata Cloud@Customer) from on-prem versions.
- Managed Oracle 19c production databases with 99.9% uptime.
- Automated DBA tasks with Shell and Ansible, reducing manual effort.
- Resolved Oracle bugs via SRs and patching with Oracle Support.
- Used AI tools (ChatGPT, Claude) for query tuning, log analysis, and troubleshooting.
- Provided 24x7 client support to maintain SLAs and uptime.

### CHOWKHAT LIFESTYLE | INTERN AT CHOWKHAT.COM

Jul 2023 -- Feb 2024

- Maintained Shopify-based eCommerce site with responsive UI and brand consistency.
- Customized Liquid templates, integrated APIs, and configured apps for optimized order management.
- Improved frontend with HTML5, Tailwind CSS, JavaScript, and RESTful APIs.

## PROJECTS

### ML-BASED FINANCIAL FRAUD DETECTION | TEAM LEAD

Feb 2023

- Built supervised ML models (Logistic Regression, Decision Trees, Random Forest) to detect suspicious transactions.
- Performed data wrangling, feature selection, and hyperparameter tuning; evaluated with precision-recall and F1 scores.

### AI-POWERED DIET PLAN WEBSITE | PERSONAL PROJECT

Remote

- Developed responsive diet planning tool using TypeScript, Tailwind CSS, HTML, and real-time APIs.
- Used Claude (Sonnet) in Cursor IDE for code generation and architecture design.
- Deployed on Netlify with CI/CD via GitHub.

## CERTIFICATIONS

- AWS Certified Cloud Practitioner – Amazon Web Services (In Progress)
- JLPT N5 – Japanese Language Proficiency Test (In Progress)
- Oracle Database Foundations – TCS iON
- Introduction to Generative AI – Google Cloud Skills Boost
- Responsive Web Design – freeCodeCamp

## EDUCATION

### BACHELOR OF TECHNOLOGY

SRM IST | COMPUTER SCIENCE  
ENGINEERING

2019 -- 2023 | CGPA: 8.37

## SKILLS

### PROGRAMMING

Python • SQL • Shell Scripting  
TypeScript • JavaScript • HTML • CSS • Bash •  
YAML

### TECHNOLOGIES / TOOLS

Oracle DB (19c) • AWS (EC2, S3, IAM) •  
Git/GitHub  
Linux (RHEL) • UNIX • Windows  
Cursor IDE • Netlify • Ansible  
Claude • ChatGPT • Gemini • Hugging Face

## ACCOMPLISHMENTS

- Led university capstone on ML-based fraud detection with 90%+ accuracy.
- Designed Arduino-based line-following robot.
- National-level Karate medalist – Bronze.
- Built and hosted AI-powered diet site with API-driven recommendations.

## AI INVOLVEMENT

Hands-on with AI for debugging, prototyping, and automation. Applied Claude, ChatGPT, and Gemini for log analysis, code scaffolding, and chatbot experiments. Interested in AI for DevOps and database observability.

## INTERESTS

AI Prompt Engineering, Automation, Tech Blogging, DevOps AI

## LINKS

GitHub: prayagx  
LinkedIn: prayag-gupta