

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