

JEEVAN DHAKAL

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ABOUT ME

MSc. Computing & Data Analytics student with 2.5+ years of backend experience. Skilled in Python, database design, and query optimization, with foundational data analysis knowledge and a quick learner eager to adapt new skills for effective solutions.

PROFESSIONAL EXPERIENCE

Python Developer

Hridayangam Technology, Nepal | Nov 2023 – Jul 2025

- Developed and maintained the backend of a multi-tenant ERP system, ensuring secure client data isolation
- Designed optimized database architecture to enable faster query performance and smoother data access
- Led a 4-member backend team, assigning tasks and mentoring junior developers to enhance team productivity
- Conducted peer code reviews, resulting in fewer production bugs and improved code reliability

Back-End Developer

Aeon-Soft Solution Technology, Nepal | Dec 2022 – Oct 2023

- Optimized CI/CD workflow, achieving faster builds and reduced server downtime during deployment
- Built a university recommendation system matching students with suitable programs through data-driven logic
- Designed PostgreSQL schemas and developed a GraphQL API for scalable data retrieval
- Presented “Tuteeline” demo to stakeholders, gathering feedback to refine product features
- Automated web scraping pipelines to collect thousands of university records requiring minimal refinement

Intern – Python Developer

Princelab Pvt. Ltd., Nepal | Apr – Jul 2022

- Built a REST API for a real estate management system
- Integrated Nepali e-payment gateways to enable secure online payments
- Developed a PyQt-based gym management app with Matplotlib analytics

TECHNICAL SKILLS

- **Languages:** Python, Go
- **Web Development:** Django, gqlgen, GraphQL, FastAPI
- **Data Analysis:** Pandas, Matplotlib, NumPy, Seaborn, Scikit-Learn
- **Technologies:** Git, Linux, Docker, AWS (S3, SES), CI/CD
- **Web Automation:** Selenium, Playwright
- **Database:** MySQL, Postgres, Redis

PROJECTS

Sentiment Analysis Project | Independent

- Built an LSTM-based sentiment classifier in TensorFlow, analyzing 50K IMDB reviews with 90% accuracy
- Applied tokenization, embedding layers, and dropout for model robustness and generalization

Salary dataset Exploratory Data Analysis | Independent

- Conducted comprehensive EDA on global salary data to uncover compensation trends
- Explored gender and racial pay disparities, identifying patterns that highlighted equity gaps across roles and regions
- Analyzed the impact of education and experience on salary, visualizing correlations and career growth trends
- Highlighted top-earning professions through data visualizations, offering insights into high-value career paths

Price Comparison System | Academic

- Developed a full-stack app to scrape and compare product prices from multiple e-commerce sites
- Implemented automated user alerts for target price tracking, reducing manual search time

Blog and Tools Sharing | Independent

- Created a Django-based blog app with discussion threads and rich-text editor integration
- Built and deployed utility tools like a password generator, a file converter to expand site functionality

ACADEMIC QUALIFICATION

- **MSc in Computing & Data Analytics** | Saint Mary's University, NS, Canada | In Progress
- **Bachelor of Science in Computer Science and Information Technology** | Tribhuvan University, Nepal | Oct 2022

LEARNING COURSES

- **Data Science with Python** | Great Learning | Issued on: Aug 2023 | Duration: 12 hours | [Certificate link](#)
- **Data Analysis with Python: Zero to Pandas** | Jovian | Issued on: Aug 2023 | Duration: 60 hours | [Certificate link](#)