

Gaurav pant

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PROFILE

I am a Computer Engineering graduate with a strong interest in Python, Backend Development, and Data Engineering. I have built projects using Django, DRF, and Scrapy, and have experience developing REST APIs, working with serializers, WebSockets, implementing JWT-based authentication, and testing and validating APIs using Postman. I also have a foundational understanding of AWS, Terraform, CI/CD, Apache Airflow, Databricks, and PySpark, and I am continuously expanding my skills in backend and data engineering technologies.

PROFESSIONAL EXPERIENCE

Data Engineer (Intern)

Proventus Analytics [🔗](#)

10/2025 – 01/2026
Kathmandu, Nepal

- Infrastructure as Code (IaC): Used Terraform to provision and manage cloud infrastructure, specifically focusing on deploying Amazon Managed Workflows for Apache Airflow (MWAA) environments.
- CI/CD Automation: Developed and implemented automated deployment pipelines using GitHub Actions for seamless Terraform infrastructure-as-code integration and delivery.
- Databricks & PySpark: Built scalable ETL/data processing pipelines using PySpark on Databricks, leveraging Delta Lake for reliable storage and implementing Medallion Architecture (Bronze, Silver, Gold) to enable efficient, distributed data transformation and analytics.

PROJECTS

Travel Booking Platform [🔗](#)

- Built a travel booking platform for booking hotels, guides, and packages using Django and DRF with serializers for clean data validation and transformation between models and JSON responses.
- Implemented JWT authentication for secure login and role-based access control for travelers, guides, and hotels with secure session-based authentication using CSRF protection.
- Integrated WebSockets for real-time chat between users and service providers.

JobMatch [🔗](#)

- Built a job recommendation system using content-based similarity and TF-IDF and User registration and login using Django Authentication
- Implemented text cleaning, TF-IDF / embedding-based similarity, and scoring logic to rank resumes against job descriptions.
- Scraped live job postings from company career pages and APIs using Scrapy, CSS selectors, advanced XPath techniques, and JSON parsing to collect and process structured job information.

Real-Time Chat Application [🔗](#)

- Built a real-time one-to-one chat application using Django, Django Channels, WebSockets, and Redis.
- Implemented user authentication, conversation management, persistent message storage, and real-time message delivery between users.

EDUCATION

Bachelor

Nepal Engineering College [🔗](#)

2022 – 2026
Changunarayan,
Bhaktapur

Higher Secondary Education

National Academy of Science and Technology [🔗](#)

2019 – 2021
Dhangadhi, Kailali

SKILLS

Python, Django, DRF, Scrapy, SQL

AWS, Terraform, Apache Airflow, MWAA

Databricks, Pyspark, Git, Github and Github Actions