Rohan Chhetry

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LinkedIn | Portfolio

Profile

Data Science graduate student with 2+ years of experience in Python, data analytics, and cloud-based solutions, passionate about leveraging AI and real-time monitoring for sustainable resource management. Proven ability to deliver scalable data pipelines, predictive models, and actionable dashboards for cross-functional teams.

Technical Skills

- **Languages**: Python (Pandas, NumPy, Scikit-learn), SQL

- **Tools**: Tableau, Power BI, AWS (Lambda, S3), Snowflake, Jira

- **Domains**: Predictive Analysis, ETL Pipelines, NLP, Governance/Risk Compliance

Education

Master of Data Science | Charles Darwin University, Sydney (Feb 2024 – Nov 2025)

- Relevant Coursework: Risk Analytics, Business Intelligence, Project Management

- **Activities**: Your Student Voice CDU

Bachelor of Computer Engineering | Institute of Engineering, Nepal (GPA: 3.5/4.0)

- Thesis: Improved Pre-processing Techniques for Mobile-based OCR systems

Professional Experience

Associate Data Engineer | Genese Solution, Nepal (Feb 2023 – Jan 2024)

- Led a team of 8 to develop a **predictive chatbot** using NLP, reducing client query resolution time by 40%.

- Built a **serverless medical report generator** (Python + AWS Lambda) for a US healthcare provider, improving data processing efficiency by 30%.

Data Engineering Apprentice | Code Rush, Nepal (Nov 2022 – Jun 2023)

- Designed nuclear data implementations using AWS, ensuring compliance with industry standards.

- Practiced Agile/SCRUM methodologies to manage project lifecycles and risk assessments.

Software Engineering Intern | LIS Nepal (Aug 2022 – Feb 2023)

- Developed **ETL pipelines** (Python) to migrate multi-source data into Snowflake, optimizing query performance by 25%.

- Created **Tableau dashboards** for managerial insights, enabling data-driven decision-making.

Key Projects

- **Water Quality Predictive Model**: Developed a Python-based ML model to forecast contamination levels (Fusemachines AI Fellowship).

- **Real-Time Asset Monitoring**: Designed a Power BI dashboard for tracking infrastructure health metrics.

Certifications & Awards

- **Winner**, Datathon OpenIMIS-DRG Thailand (AeHIN, 2022)

- **AI Micro-Degrees** in ML, NLP, Computer Vision (Fusemachines, 2023)

Volunteering & Leadership

- **IT Head**, Leo Club of Kathmandu (2022–2024): Spearheaded tech solutions for community projects.

- **Associate Member**, Australian Computer Society (2024–Present).

References available upon request