**Rohan Chhetry**  
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**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**