

**Rohan Chhetry**

**Career Objective**

Final-year Master of Data Science student at Charles Darwin University with a background in Computer Engineering and over 2 years of experience in software development and data engineering. I am seeking an internship in data analysis, software development, or business analysis to deepen my industry experience and apply technical and analytical skills. Passionate about leveraging data to solve complex problems and improve decision-making processes. Able to contribute with strong problem-solving, teamwork, and project management skills.

**Technical Knowledge**

* Python (NumPy, Pandas, Matplotlib, Scikit-learn)
* SQL
* AWS (Lambda, S3, etc)
* Git, JIRA
* Machine Learning, Data Analysis, Data Visualization
* ETL Processes, Database Design
* Agile/SCRUM methodology

**Education**

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

* Coursework: Data Visualization, Business Intelligence, Business Analytics, Project Management, Risk Analytics
* Active member of Your Student Voice CDU

**Bachelor of Computer Engineering** **Nov 2018 – Apr 2023**  
Institute of Engineering, Pulchowk, Nepal

* GPA: 3.5/4.0
* Focus: Big Data, Artificial Intelligence, Data Structures and Algorithms

**Academic Projects**

**Easy Read: OCR and Text-to-Speech Aid for the Visually Impaired** **Dec 2022 – Mar 2023  
Institute of Engineering, Pulchowk, Nepal**

**Objective:** To design and develop a mobile application that assists visually impaired users in reading printed or handwritten texts by converting them into speech output

**Tools:** Python, Java, React Native, Flask, Tesseract OCR, GTTS (Google Text-to-Speech), Android APK packaging  
**Duties:** As part of a team of four, I contributed to the development of the server-side image processing system and binarization enhancement. Our approach involved advanced image pre-processing techniques including Sauvola’s thresholding with a dynamic 'k' value using regression modelling. I was also responsible for integrating OCR (Tesseract) and TTS (GTTS) modules and testing for accuracy and noise reduction. **Outcome:** Successfully created a cross-platform mobile application that sends captured images to a Flask-based server, processes them using OCR and TTS, and returns audio output for playback. Achieved significant improvement in F1-score of binarization and reduced Character Error Rate with a two-pass noise filtering technique. **Result:** Project demonstrated in campus showcase and praised for its accessibility impact. Resulting on publication at Tribhuvan University Central library: [EASY READ](https://elibrary.tucl.edu.np/items/04f2b27d-0dd1-4880-919a-a8e7cb4ec63e)

**Employment History**

**Proactive Service Team Member (Part-Time) Apr 2024 – Present**  
**Woolworths, Australia**

* Delivering efficient and friendly customer service in a retail environment
* Ensuring smooth front-end operations
* Supporting team efforts to enhance store performance and customer satisfaction
* Assisting in trolley stock replenishment and layout optimization
* Maintaining clean and safe work environment

**Associate Data Engineer (Full-Time) Feb 2023 – Jan 2024**  
**Genese Solution, Bakhundole, Nepal**

* Leading a team in chatbot development for organisational specific data
* Developing serverless tools using Python and AWS
* Creating data pipelines and automation scripts
* Coordinating with clients to gather system requirements
* Documenting project progress and deliverables

**Data Engineering Apprentice (Part-Time) Nov 2022 – Jun 2023**  
**Code Rush, Dhobighat, Nepal**

* Building AWS-based data pipelines
* Managing and transforming large datasets
* Collaborating in Agile teams with rotating roles
* Presenting project updates to stakeholders
* Conducting risk and sprint planning sessions

**Software Engineering Intern (Part-Time) Aug 2022 – Feb 2023**  
**LIS Nepal (Yomari), Manbhawan,** **Nepal**

* Developing ETL pipelines in Python
* Visualizing data using Power BI and Tableau
* Participating in OCR and text-to-speech project development
* Using Jira and GitHub for version and task control
* Engaging in team-based project delivery

**Volunteer Work**

**IT Advisor / IT Head / General Member Jul 2020 – Feb 2024**

**Leo Club of Kathmandu Budhi Gandaki, Nepal**

Contributed to several community-based projects, IT strategy and implementation, and club management. Organized digital campaigns and managed IT infrastructure for club events. Supported younger members in digital skill development.

**Personal Attributes**

* **Strong Problem-Solving Skills** – Demonstrated through successful delivery of chatbot and automation tools during tenure at Genese Solution.
* **Teamwork and Communication** – Refined through Agile team experiences in multiple internships and group projects.
* **Time Management** – Effectively balancing part-time work, university, and volunteer roles over several years.
* **Adaptability** – Proved through transitioning between diverse roles across engineering, education, and customer service sectors.

**References**

Available upon request.