

Sachin P. Chhetri

AI/Data Engineer | Software Developer



SUMMARY

Driven Computer Science graduate with 4+ years hands-on experience in software development, data engineering, and AI/ML. Skilled at designing and delivering scalable web and desktop applications. Seeking to leverage full-stack and analytics expertise to solve real-world problems in a global team.

CONTACT

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EDUCATION

Weber State University (WSU) | 2025 - Present

Ogden, Utah

Master's in Computer Science

• Relevant Coursework:

◦ Advanced Algorithm

◦ Object Oriented Programming

◦ Software Engineering I & II

◦ Advanced SQL Database Knowledge

◦ Business Communication

◦ Prompt Engineering (AI, ML)

◦ Deep Theory using ML/DL

Weber State University (WSU) | 2021 - 2024

Ogden, Utah

Bachelor's in Computer Science

• GPA: 3.62

Kanto International Senior High School | 2016-2019

Tokyo, Japan

High School

Kumudini Homes Higher Secondary School | till 2015

Pokhara, Nepal

TECHNICAL SKILLS

Programming Languages: Python, C#, C++, JavaScript (React.js, Node.js)

Web & Mobile Development: React.js, Node.js, Next.js, REST APIs

Data & AI/ML: Pandas, scikit-learn, TensorFlow, SQL (MySQL), PostgreSQL

Tools & Platforms: Git/GitHub, Figma, Photoshop, MS Office 365, Canva, Adobe

Other: Prompt Engineering, Data Engineering, Vibe Coding, Version Control

LANGUAGES

Nepali

English

Japanese

Hindi

Native

Proficient

Proficient

Proficient

CERTIFICATES

Bachelor's of Science in Computer Science | 2024

Weber State University

Peer Mentor Certificate | 2024

Edulogy

PROJECTS

Personal Portfolio Website | [Click Here to See Portfolio Website](#)

Developed a modern, dark-themed portfolio using Next.js and Tailwind CSS, featuring server-side data fetching with ISR, animated particle effects, and Framer Motion reveal/hover animations. Built a custom AI chatbot powered by Google Gemini for interactive visitor engagement. Fully responsive across mobile, tablet, and desktop.

Netflix Data Engineering — ETL Pipeline

Python, pandas, NumPy; CSV/JSON outputs; documentation

- End-to-end ETL on the public Netflix titles dataset: clean/transform, create 16 analytical features, and write both CSV/JSON.
- Repo notes: processed 8,807 titles; includes analysis script and ETL summary docs.

Netflix データ セット用の ETL パイプラインを作成しました。

Music-Genre Classification & Recommendation

PyTorch/PyTorch Lightning (CNN), scikit-learn (SVM, RF), Optuna

- Trained baseline ML models and a CNN on mel-spectrograms; added an embedding-based top-5 recommendation using cosine similarity.
- Final test performance (repo): 62% accuracy, Macro-F1 \approx 0.59 on GTZAN; checkpoints and demo scripts included.

音源特徴量からジャンル分類し、類似曲を埋め込みでレコメンド。

Customer Feedback Sentiment Analyzer (Desktop app)

Python (NLP), CSV I/O, visualization, topic extraction

- Loads review CSVs and runs two pipelines (“Basic” vs. “Advanced”) to classify sentiment (positive/neutral/negative).
- Includes filtering by date, sorting by sentiment/date, distribution charts, and topic extraction to surface common themes.

お客様のフィードバックを分析して感情を肯定的/中立的/否定的に分類し、主要なトピックを視覚化するシンプルなデスクトップ アプリケーションです。

CrawlLens — Polite Web Crawler for LLM Datasets

Python (CLI + GUI), JSONL export, robots.txt aware

- BFS crawl, sitemap seeding, de-duplication, and export of normalized page blocks (headings/paragraphs/lists/tables) as JSONL for model training.

robots.txt順守でWebから学習用JSONLデータを抽出。

For more projects visit: [GitHub Here](#)

PROFESSIONAL EXPERIENCE

Field Trip & Club Travel Assistant | 2025 - Present

Weber State University

Sudy Abroad Office

- Assisting the Director of Study Abroad with trip planning and execution.
- Coordinating with faculty, department chairs, and Risk Management to ensure university-wide compliance.
- Managing documentation by gathering necessary signatures from designated signatories.
- Maintaining a comprehensive database of all university field trips.

Computer Science Tutor | 2024 - 2025

Weber State University

Engineering, Applied Science and Technology

- Provide one-on-one and group tutoring for students in CS, NET, and WEB courses, assisting with programming assignments, homework, and conceptual understanding.
- Support students in foundational and intermediate Computer Science courses (CS 1400, 1410, 2550, 2420) with an emphasis on troubleshooting, problem-solving, and practical coding skills.

Marketing and CRM Specialist | 2021 - 2024

Weber State University

International Student and Scholar Center

- Boosted student engagement by 80% through targeted digital campaigns.
- Developed dynamic email templates (HTML/CSS/JS), enhancing outreach click-through rates.
- Queried and analyzed student data using SQL to optimize event success metrics.

Assistant Manager| 2016 - 2019

Lawson Store

Tokyo, Japan

- Trained 5+ new hires, resulting in 25% faster onboarding time.
- Elevated store performance to Top 100 ranking among 10,000+ locations in Tokyo.
- Implemented efficient shift rotations, reducing labor overhead by 15%.

LEADERSHIP, VOLUNTEERING

Founder & President

Nepalese Student Association @ WSU

- Led a 500+ member international student group, coordinating cultural events, guiding new students, and launching mentorship initiatives.

International Student Mentor

International's Office

- Help first-semester students to make them feel home away from home supporting and guiding through cultural shock and academic difficulties like class registrations.

REFERENCES

Dr. Mary Machira

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