Tikaharu Sharma

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Education

University of Florida — Gainesville, FL
Master of Science in Computer and Information Sciences — *Aug. 2025 – Dec. 2026 (expected)*
Courses: Analysis of Algorithms, Advanced Data Structures, Math for Intelligent Systems

Pulchowk Campus, Tribhuvan University — Kathmandu, Nepal
Bachelor of Engineering in Computer Engineering — *Nov. 2019 – Apr. 2024*

Technical Skills

Languages: Python, JavaScript, C/C++
ML/AI: Machine Learning, Deep Learning, NLP, Reinforcement Learning, Model Training & Evaluation
Frameworks: PyTorch, TensorFlow, Keras, scikit-learn, SpaCy, Django REST, React, Node.js
Libraries/Databases: Pandas, NumPy, SQL, MongoDB, PostgreSQL
Tools: Git, GitHub, Docker, Jupyter, Agile Development, AWS

Experience

Software Developer — Apr. 2024 – May. 2025
Danphe Software Labs — *Kathmandu, Nepal*

- Collaborated with senior developers to deliver responsive front-end features in ReactJS, improving user retention on client platforms.
- Revamped the company's official website, modernizing UI and optimizing performance, which led to a 25% increase in site visits within three months.
- Designed and implemented a custom interactive survey feature for an e-commerce platform, increasing customer feedback response rates by almost 30%.

Project Lead / Founder — Nov. 2023 – Mar. 2024
Hire Nepal — *Kathmandu, Nepal*

- Interviewed 15+ hiring managers and CEOs from leading Nepali companies to analyze recruitment workflows and identify inefficiencies.
- Led a team of 3 developers in building a scalable job portal with integrated recommendation and ranking features.
- Designed an ML/NLP-powered Applicant Ranking and Recommendation System, decreasing recruiter shortlisting time by 60% and reducing job search time for users through tailored recommendations.

Projects

Hire Nepal – CV Analyzer & Applicant Ranking — GitHub — Nov. 2023 – Mar. 2024

- **Tech:** Python, Django REST, React, scikit-learn, SpaCy, NLP
- Built a CV Analyzer to parse resumes (PDF/Docx) and extract structured fields such as skills, education, and work experience.
- Implemented an Applicant Ranking System that matched candidate resumes with job descriptions, achieving 85% accuracy compared to recruiter evaluations.
- Designed a recommendation engine that reduced user job search time by 40% through personalized listings and relevance-based ranking.

Fashion Recommendation System — GitHub — 2023

- **Tech:** Python, TensorFlow, Keras, ResNet50
- Designed a recommendation engine leveraging ResNet50 for visual similarity analysis of fashion images.
- Achieved 92% top-5 accuracy on the test dataset, ensuring reliable item suggestions.

Sorting Algorithm Visualizer — GitHub — 2021

- **Tech:** React, JavaScript
- Engineered an interactive web application using React.js to visually demonstrate the step-by-step execution of 6+ sorting algorithms, enhancing user comprehension of complex concepts.