

TIKAHARU SHARMA

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EDUCATION

B.E. Bachelor of Engineering in Computer Science **2019 – 2024**
Pulchowk Campus, Tribhuvan University (TU), Nepal
Score: 82.20%
- IOE entrance rank 32 out of 12000, secured a full scholarship

PROFESSIONAL EXPERIENCE

Software Developer **01/2024 – Present**
Danphe Software Labs, Kathmandu, Nepal

- Completed a 3-month internship followed by a full-time role as a full-stack developer, working with ReactJS and Ruby on Rails.
- Improved chat app functionality, increasing user engagement and performance.
- Designed and implemented a custom interactive survey for an e-commerce platform, optimizing customer feedback collection.

PROJECTS

Hire Nepal - Job Portal Website

- Provides job listings, recommendations, and tools for building resumes and cover letters to assist users in finding job opportunities.
- Implemented an NLP-powered Applicant Ranking System to parse resume PDFs and rank candidates based on job description relevance.
- Utilized Django REST, React, NLP, Spacy, and Scikit-Learn to develop the system.

Fashion Recommendation System

- Designed a Deep Learning-based Fashion Recommendation System leveraging the ResNet50 architecture for visual similarity-based recommendations.
- Used a robust model to analyze fashion images and suggest visually similar items.

Sorting Visualizer

- Created a web application using React to visualize various sorting algorithms.
- Implemented reusable React components for user-friendly algorithm visualizations.
- Utilized React and Sorting Algorithms for the development.

RESEARCH PAPER

Automated Resume Screening and Applicant Ranking System for a Job Description

- Developed a resume parser capable of extracting key information such as education, experience, and skills using NER, regex, and sentence transformers, achieving high precision in applicant ranking.
- Demonstrated the system's efficacy in correlating with expert rankings, achieving 80% precision for the top 5 and 10 ranked applicants, improving the efficiency and accuracy of candidate selection.
- Currently under review.

RELEVANT COURSES

- Machine Learning Specialization - Coursera [\[Link\]](#)
- Artificial Intelligence Course - Samsung Innovation Campus
- Coding & Programming Course - Samsung Innovation Campus

TECHNICAL SKILLS

Programming Languages: Javascript, Python, Ruby, C++, C

Frameworks: React, Ruby on Rails, Django, Pandas, Scikit-learn, Tensorflow, Keras, Bootstrap

Databases: SQL, MongoDB

VOLUNTEERING ACTIVITY

Tutor - Children In Technology (CIT)

- Visited 15 different schools of rural areas of Nepal, taught nearly 1000 high school students.
- Topics covered: Internet, Artificial Intelligence, Robotics, Cyber Crime and Laws