SRISTI GHIMIRE
SOFTWARE ENGINEERING STUDENT

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PROFILE SUMMARY

I am an enthusiastic and dedicated software engineer with strong problem-solving skills and a passion for research in computer science. Experienced in full-stack development, API design, and developing responsive web applications. Eager to contribute to research in artificial intelligence, software engineering, and web technologies.

RESEARCH EXPERIENCE

High-Quality Neural Text-to-Speech for Low-Resource Nepali: A Data-Efficient Transfer Learning Approach

- Completed research under Assoc. Prof. Dr. Prakash Poudyal (Dept. of Software Engineering, NCIT) in collaboration with Ravi Kumar Pajiyar. Developed a FastSpeech 2–based neural TTS system with a Devanagari text pipeline for low-resource Nepali, improving speech naturalness and clarity.
- Tools: Python, TensorFlow, ESPnet, Praat.
- Status: Submitted for publication.

INDUSTRIAL EXPERIENCE

Django developer, Kitwosd IT support center   **Dec 2022 - Nov 2024**

- Developed responsive and dynamic web applications using Django and Bootstrap, designing and implementing RESTful APIs for efficient frontend–backend communication.
- Integrated key features such as user authentication, form validation, and database management for enhanced system performance.
- Experience letter link : Experience letter

Internship, Kitwosd IT support center   **Sep 2022 - Nov 2022**

- Learned to develop simple web applications using Django, HTML, CSS, and JavaScript, gaining hands-on experience in frontend–backend integration.
- Worked with database models, templates, and views to build functional prototypes.
- Website link: https://www.kitwosd.com/

PROJECTS

News Portal Web Application

- Created a dynamic online news and media platform using Django, HTML, CSS, and JavaScript, including modules for news publishing, video integration, and category-based content management, optimized for SEO and mobile responsiveness.
- Website link : Sachetana Media Pvt. Ltd.

Netflix Analytics – Interactive Content Analysis Dashboard

- Developed a React–Flask–Plotly web application to analyze Netflix content trends, genres, and user sentiments. Enabled interactive data visualization and filtering for improved content strategy insights.
- Github Link: Netflix-Analytics

API for Event-Booking Mobile Application

- Developed RESTful APIs using Django for a Flutter-based event booking app featuring event creation, participant profile management, voting system, and media uploads.
- GitHub link : github/event-booking

Doctor Appointment Web Application

- Built a responsive telepsychiatry website using Django, HTML, CSS, and JavaScript with blog, video integration, and online consultation features.
- Website link - Dr. Rajan Mishra

Health Lens – AI-Powered Nutrition Guidance Mobile App

- Built a React Native application with a Node.js backend offering personalized health guidance. Integrated AI-based food image scanning for nutritional analysis and tailored diet recommendations.
- Github Link: HealthLens

EDUCATION

Bachelor of Engineering in Software engineering   **2019 - 2024**
- Nepal College of Information Technology (NCIT), Lalitpur, Nepal

High Level School in Science   **2017 - 2018**
- Sunrise English Secondary School - Bharatpur, Nepal

SKILLS

Programming: JavaScript, Python, C++
Frontend: React.js,Tailwind CSS, Flutter
Backend: Node.js, Express.js, Django
AI & Data Science: LLMs, NLP, Basic AI Integration
Databases: MongoDB, MySQL, PostgreSQL
Software : Visual Studio Code, Postman, Slack, Discord, Figma
Version Control: Git, GitHub
Interests: AI & ML, Robotics, Software Engineering, Quantum Computing
Languages: English (Fluent), Nepali (Native)

WORKSHOP AND CERTIFICATIONS

Django course completion
- Successfully completed two and half months django course
- Certificate link : Django course

Basic python workshop
- Completed basic python course
- Certificate link : Basic Python

REFERENCES

References furnished upon request.