Ankit Pokhrel

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AI & ML Enthusiast

Computer Engineering undergraduate with expertise in **AI**, **Machine Learning**, and modern **Web Technologies**. Experienced in building real-world **web** and **ML-based applications**, developing **scalable** and **efficient** solutions.

Technical Skills

Languages	:	Python, JavaScript, C, C++, HTML, CSS
Frameworks	:	React.js, Angular, Express, Node.js, Flask
Libraries	:	TensorFlow, Keras, PyTorch, Pandas, NumPy, Redux, React Router, Tailwind CSS
Databases	:	MongoDB, Firebase Firestore
Dev Tools	:	Visual Studio Code, Git, GitHub, Docker, ngrok, Postman, Jupyter Notebook, Figma, Streamlit

Education

Bachelors in Computer Engineering — April 2023 – Present
IOE, Pulchowk Campus — *Lalitpur, Nepal*

+2 Science — 2020 – 2022
Gorkha International Public Secondary School — *Dang, Nepal*

SEE — 2019 – 2020
Lok Chetana Academy — *Pyuthan, Nepal*

Projects

Stock Price Prediction — *Python, TensorFlow, LSTM, Streamlit* — Source Code

- Engineered a **LSTM-GRU** model in **TensorFlow**, achieving **85% accuracy** on stock price predictions.
- Enhanced performance with hyperparameter tuning, reducing training time by **20%**.

PDF Chatbot — *Gemini API, RAG, Python* — Source Code

- Developed a chatbot leveraging **Gemini API** and **RAG** to extract insights from PDFs with **92% accuracy**.
- Optimized NLP pipeline, reducing response time by **40%**.

Nepali Word Predictor — *Python, TensorFlow, LSTM, GRU, Streamlit* — Source Code

- Implemented **GRU** and **LSTM** models to predict the next Nepali word with **69% accuracy**.
- Trained on publicly available datasets, ensuring robust predictions for Nepali text.
- Developed and hosted an interactive **Streamlit** web app for real-time predictions.

Sentiment Analysis — *Python, TensorFlow, RNN, Streamlit* — Source Code

- Designed a **Simple RNN** model trained on the **IMDB dataset** to classify user sentiment with **90% accuracy**.
- Built a **Streamlit** app to predict sentiment and provide confidence scores for app ratings.
- Enhanced review classification by integrating confidence-based rating systems.

Certifications

- Machine Learning – Coursera
- Meta FrontEnd Development – Coursera
- Building REST APIs with Flask – Udemy
- The Ultimate React Course 2024 – Udemy
- Coding and Programming with Python – Samsung Innovation College