SHUSHIL SHAH

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WORK EXPERIENCE

Data Scientist   **Internship**
Psyliq, India   *Oct 2023 - Nov 2023*
- Conducted exploratory data analysis on large datasets, identifying 3 key risk indicators for business use cases.
- Built interactive dashboards and experimented with ML algorithms to deliver actionable insights.

Data Analyst   **Full time**
NAXA Pvt. Ltd., Kathmandu, Nepal   *Oct 2024 - Jan 2025*
- Analyzed disaster risk and survey datasets, integrating data into visualization dashboards used by decision-makers.

- Partnered with research and tech teams to identify high-risk regions, enabling better disaster preparedness strategies.

Machine Learning Engineer   **Full time**
Des vu technologies, Gandaki, Nepal   *Sept 2023 - Sept 2024*
- Collaborated with cross-functional teams to ensure model integrity, scalability, and proper documentation.
- Automated data pipelines and statistical modeling workflows, improving data processing efficiency.
- Designed and deployed ML models (classification, NLP, regression) leading to sales growth for an e-commerce client.

SKILLS

Programming and Libraries: Python, scikit-learn, Pandas, NumPy, TensorFlow, PyTorch, Seaborn, SQL
Machine Learning and AI: Supervised/Unsupervised Learning, NLP, Deep Learning, Computer Vision, Recommendation Systems
MLOPs and Tools: MLflow, Git, FastAPI, Flask, Power BI, Docker, Dagshub
Data and Cloud: MongoDB, SQL Databases
Others: Django, Flutter, HTML/CSS
Soft Skills: Communication, Problem Solving , Analytical, Data collection, Collaboration, Innovative

EDUCATION

Pokhara University   **Pokhara, Gandaki, NEPAL**
Software Engineering, CGPA 3.25/4   *Oct 2019 - Sept 2024*

PROJECTS

- **Customer Attrition Prediction** – Built a RandomForestClassifier model achieving 87% accuracy, enabling proactive retention strategies.

- **AI Chatbot with MongoDB** – Developed an AI-powered chatbot with MongoDB integration to handle queries and visualize stored business data.

- **Movie Recommendation System** – Implemented collaborative filtering with Google Analytics concepts, boosting user engagement.

- **Medicine Recommendation System** – Created a personalized health recommendation platform based on user symptoms.

- **Chat with PDF** – Designed an interactive application enabling conversational PDF interactions, streamlining information retrieval.

- **Student Depression Prediction** – Built an ML pipeline with Streamlit UI achieving 85% accuracy using RandomForestClassifier.

- **Stock Price Prediction using NN** – Designed an LSTM-based model to forecast stock prices and provide buy/sell recommendations.

- **Departmental Sales Analysis** – Conducted sales analysis to identify declining trends and opportunities for growth.

- **Skin Disease Detection** – Built a CNN model detecting 7 skin diseases with 78% accuracy, supporting early diagnosis.

SPECIALIZATION AND CERTIFICATION

- **Google Advanced Data Analytics** by Coursera - Nov 2023
- **Machine Learning Bootcamp** by Mercantile - Sept 2023
- **Associate Data Scientist in Python Certificate** by DataCamp