SHREYESKA SILWAL

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EDUCATION

St. Xavier's College   **Kathmandu, Nepal**
Bachelor of Information Management   *Expected Graduation, October 2025*
CGPA 3.80

Global College of Management   **Kathmandu, Nepal**
+2 (High School)   *Graduated 2020*
CGPA 3.64

SKILLS

Programming and Development: Proficient in React, Node.js, Express.js for full-stack development.
Skilled in Python, JavaScript, and implementing AI-driven solutions using libraries like Pandas, NumPy, and Scikit-learn.
Database Management Systems: Experienced in MongoDB and SQL, with expertise in database design and query optimization.
Management and Communication: Strong leadership, project coordination, and teamwork skills, with proven ability to communicate effectively across technical and non-technical domains.

PROJECTS

Anime Recommendation System Engine   *August 2024*

- A recommendation engine for anime enthusiasts, designed to provide personalized suggestions based on user preferences and viewing history.
- Utilized collaborative filtering and content-based filtering techniques for recommendations.
- Built using Python with libraries such as Pandas, NumPy, and Scikit-learn for data analysis and machine learning.
- Incorporated a user-friendly interface for inputting preferences and browsing recommendations.

Credit Card Fraud Detection Using SMOTE   *July 2024*

- Built a credit card fraud detection system using SMOTE to address class imbalance and machine learning models like Logistic Regression, Random Forest and Decision Tree.
- Conducted EDA to improve feature selection and model performance.
- Gained proficiency in Python, pandas, and scikit-learn for fraud detection workflows.

ArchLegal   *June 2024*

- Designed and developed a **Client Relationship Management (CRM) System**, a centralized platform for managing client and lawyer data, visualizing sales performance, and streamlining case management for law firms.
- Built using **MongoDB, Express.js, React, Node.js**, incorporating robust security measures like secure login protocols and role-based access controls.
- Enhanced operational efficiency with features like automated data management, a user-friendly interface, and scalable architecture tailored to legal industry needs.
- Integrated tools such as Redux for state management and Postman for API testing to ensure robust and reliable system performance.

Naritwa   *May 2024*

- Collaborated in a team of three to develop a specialized chatbot aimed at assisting with women-centric laws.
- Contributed to the frontend design and development of the application, ensuring user-friendly interface and experience.
- Acquired proficiency in web-app development using RASA, a platform for building conversational AI applications.
- Gained valuable insights into the complexities of women-centric legal issues and how technology can aid in navigating them effectively.

Nawa Aama
October 2023 – December 2023

- Developed a supportive online platform for new and expecting mothers.
- Led front-end design using HTML, CSS, and JavaScript.
- Contributed to back-end development with Node.js, Express.js, and MongoDB.
- Collaborated in a team of three, enhancing problem-solving and teamwork skills.

EXPERIENCE

IME Digital Solution Pvt. Ltd.
Kathmandu, Nepal
AI Research / Software Engineering Trainee
June 2024 – Present

- Led AI research, focusing on advancements in Generative AI for FinTech applications.
- Enhanced system performance through optimization of existing processes.
- Developed backend solutions using Node.js to support key functionalities.
- Currently building and maintaining the frontend of the in-house KYC project using React.
- Automated email reporting workflows with Nodemailer.
- Conducted data analysis for fraud detection and customer re-verification.
- Automated JSON to SQL query conversion, streamlining processes for the QA team.

Tech Leadhers cohort 2024
Kathmandu, Nepal
Fellow
February 2024 – May 2024

- Completed a 10-day intensive bootcamp, gaining skills on MERN stack, design thinking, project management and leadership skills.
- Worked on a project for the theme "Women's Empowerment" for ward 17 as a group project in collaboration with Kathmandu Metropolitan City (KMC).

Women Leaders in Technology (WLiT) Fellowship 23/24
Kathmandu, Nepal
Fellow
October 2023 – June 2024

- Completed a two-week intensive bootcamp, mastering Git/GitHub, JavaScript, Node.js, MongoDB including the implementation of CRUD operations and leadership skills.
- Successfully contributed to the group project 'Nawa Aama', demonstrating proficiency in software development.
- Gained a comprehensive skill set and knowledge during the fellowship.

HONORS AND AWARDS

Female Engagement in Asian Workforce: Exploring the Impact of ICT
July 2023 – July 2024

- Published peer-reviewed research analyzing ICT's role in enhancing female workforce participation across Asia.
- Utilized quantitative and qualitative methodologies to evaluate socio-economic trends and policy implications.

Locke and Stiller Research Award (LSRA) Journal Club
February 2023

- Received first place in Locke and Stiller Research Award (LSRA) Journal Club for outstanding analytical skills, understanding of research paper and presentation excellence.

Locke and Stiller Research Award (LSRA)
April 2023 – March 2024

- Conducted research on "Credit Card Fraud Detection Using Supervised Machine Learning Algorithms" as part of the Locke and Stiller Research Awards program.
- Received formal acknowledgment, trophy, and medal for exceptional research contribution in a formal ceremony.
- Demonstrated commitment to academic excellence, discipline, and leadership in fulfilling duties and responsibilities as an awardee.

REFERENCES

Ganesh Yogi   ganeshyogi@sxc.edu.np   +977 9841556269
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