

SHREYESKA SILWAL

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EDUCATION

St. Xavier's College

Bachelor of Information Management

CGPA 3.80

Kathmandu, Nepal

Expected Graduation, October 2025

Global College of Management

+2 (High School)

CGPA 3.64

Kathmandu, Nepal

Graduated 2020

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.

Info-Her

February 2024 - May 2024

- Collaborated in a team of three to develop a website that allows ward 17 to update all the events and activities going on within the ward.
- Contributed to the backend design and development of the application, ensuring a secure website.
- Acquired proficiency in web-app development using MongoDB, Express.js, React, Node.js.
- Gained valuable insights into the complexities of managing and disseminating community information, and how technology can facilitate effective communication and engagement.

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 Leaders cohort 2024

Kathmandu, Nepal

Fellow

February 2024 – May 2024

- Completed a 10-days 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.

Department of Computer Science Alumni Committee, St. Xavier's College

President

April 2023 – April 2024

- Led strategic programs for student enrichment in the Department of Computer Science.
- Secured funding recruited top alumni volunteers, and orchestrated impactful programs such as Grand Alumni Meet, Panel Discussion 2023.

Department of Computer Science Quiz Competition, St. Xavier's College

Co-organizer

July 2023

- Co-organized departmental quiz competition ensuring smooth execution.
 - Recruited and coordinated volunteers for various tasks and secured sponsorships to support the event.
 - Secured sponsorships from local businesses and organizations to support the event, ensuring financial and logistical support.
 - Facilitated post-event feedback collection, helping to improve future departmental events and enhance the overall experience.
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ACTIVITIES

AI BootCamp

HACKAMEDIA 2.0 AND KING'S COLLEGE

August 2024 - September 2024

- Participated in an intensive bootcamp focused on artificial intelligence.
- Covered advanced topics like machine learning, deep learning, and AI ethics.
- Worked on hands-on projects to build AI-driven solutions.

Girls-To-Code, IOE Pulchowk

LOCUS 2024

December 2023

- Attended a three-day React bootcamp at IOE Pulchowk. The bootcamp taught fundamental ReactJS principles. Completed homework and exercises to clarify topics.

Entrepreneurship Knowledge Transfer, St. Xavier's College

ERASMUS

January 2023

- Participated in a workshop focused on entrepreneurial knowledge transfer and innovation.
- Engaged in discussions on the importance of collaboration in business ecosystems.

EXTRACURRICULARS AND VOLUNTEERING

Volunteers:

Welfare Program: Manav Kalyan Samaj

July 2023

- Co-organized a welfare program aiding elderly and disabled residents, promoting community engagement, and enhancing well-being through student involvement.

Rural Immersion Camp: Shree Jaya Bageshwori Madhyamik Bidhyalaya

June 2023

- Co-organized a welfare program aiding elderly and disabled residents, promoting community engagement, and enhancing well-being through student involvement.

Welfare Program: Special Education and Rehabilitation Centre (SERC) School

June 2023

- Co-organized and facilitated educational sessions for children with various disabilities, focusing on inclusive learning and skill development to enhance their growth and opportunities.

HONORS AND AWARDS

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

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Research Supervisor, Computer Science Department, St. Xavier's College