Sushrit Kafle

Edwardsville, IL
618 866 5304 | sushrit.k@gmail.com
https://sushrit7.github.io/portfolio/ | https://www.linkedin.com/in/sushrit-kafle/

EDUCATION

Southern Illinois University Edwardsville　　　　　　　　　　　　　*Edwardsville, Illinois*
Master of Science in Computer Science　　　　　　　　　　　　　　　**Expected May 2025**

Nepal Engineering College, Pokhara University　　　　　　　　　　　*Bhaktapur, Nepal*
Bachelor of Civil Engineering　　　　　　　　　　　　　　　　　　**February 2023**
Award and Scholarship: Programming Award (11/2022) | Founder's Scholarship (2017-2022)　　**GPA: 3.69/4.0**

RELEVANT COURSEWORK

Machine Learning　　　Intensive Computer Science Fundamentals (Data Structures and Advanced Algorithms)
Computer Architecture　　Programming in C　　Object Oriented Programming in C++　　Probability and Statistics

COURSES AND CERTIFICATIOS

The Complete 2023 Web Development Bootcamp, *Udemy*　　　　　　　　　**November 2022**
Foundations: Data, Data, Everywhere, *Coursera*　　　　　　　　　　　**September 2021**

PROFESSIONAL EXPERIENCE

Silicon Soft and I.T. Consultant　　　　　　　　　　　　　**April 2023 - August 2023**
Intern　　　　　　　　　　　　　　　　　　　　　　　　　　*Kathmandu, Nepal*
- Developed Web API with .NET Core Identity, JWT Tokens, Generic Interface and Repository pattern leading to a 30% reduction in redundant code.
- Led the testing efforts for Unit Testing for a Government Gazette WebApp, achieving a 95% test coverage ensuring project robustness, reliability, and overall quality through rigorous testing.
- Planned and identified key services and API endpoints for a dynamic SaaS ERP website, tailoring features to specific client needs, optimizing resource utilization, and contributing to a 15% increase in client satisfaction.

PROJECTS

Tracking the Spread of the Invasive Spotted Lanternfly | *GB Classifier, Random Forest*　　**October 2023 -Current**
- Analyzed and enriched the publicly available Lyde dataset by adding new data points, incorporating temperature data, and utilizing data wrangling techniques to enhance predictive modeling for the spread of the spotted lanternfly.

SanoKaam - A Job Portal WebApp | *HTML, CSS, JavaScript, C#, ASP .Net Core, SQL Server*　　**April 2023**
- Developed a feature-rich ASP .NET Core 6 MVC app for employers to post jobs and manage dashboards, while enabling employees to create profiles, apply for jobs, and track applications.

Big Mart Sales Prediction | *NumPy, Pandas, Matplotlib, Seaborn, sklearn*　　　　**November 2021**
- Conducted analysis for in-depth insights into the sales dataset, employed data visualization techniques for effective presentation of key insights, and built a predictive model to enhance sales forecasting decisions.

Loan Status Prediction | *NumPy, Pandas, Matplotlib, Seaborn, sklearn*　　　　　**October 2021**
- Conducted comprehensive Exploratory Data Analysis (EDA) to understand dataset characteristics, engineered and fine-tuned a Logistic Regression Model for a classification problem, and leveraged the model for precise loan approval predictions, enhancing decision-making in the context of loan approvals.

Traffic Congestion Analysis | *Excel, Tableau*　　　　　　　　　　　**February 2020**
- Calculated delay times, congestion impact, and visualized data for comprehensive analysis of the road section.
- **Transferable skills:** Research Skills, Surveying and Data Collection, Data Visualization, Data Analysis, Problem Solving

TECHNICAL SKILLS

Languages: C++, C#, Python, HTML, CSS, JavaScript, SQL
Frameworks: ASP.Net Core, Entity Framework Core
Tools: Visual Studio, VS Code, Jupyter Notebook, Git, GitHub, RStudio
Data Analysis: NumPy, Pandas, Seaborn, Matplotlib, Scikit-Learn, Exploratory Data Analysis
Machine Learning/ Artificial Intelligence: Linear Regression, Logistic Regression, Decision Tree, K-Nearest Neighbor (KNN), Random Forest, Support Vector Machine, Naïve Bayes, CNN, RNN, GANs