Sachin Malego is an accomplished professional specializing in Information Systems Design, Data Science, Artificial Intelligence, and Disaster Risk Reduction. Born on December 23, 1988, he has amassed extensive experience in the field, combining technical expertise with leadership roles in national and international projects. His career spans over a decade, with significant contributions to data-driven decision-making and digital transformation initiatives.

With an academic foundation rooted in technology and innovation, Sachin holds a Bachelor of Science in Computer Science and Information Technology (B.Sc. CSIT) from St. Xavier's College, Maitighar, Kathmandu, where he graduated with distinction, securing 81.36%. Currently, he is pursuing a Master of Science in Data Science and Artificial Intelligence at the Asian Institute of Technology (AIT), Thailand, further expanding his expertise in AI, predictive analytics, and data-driven solutions.

Sachin's professional experience is marked by his tenure as an Information Management Officer at the National Disaster Risk Reduction and Management Authority (NDRRMA) under the Government of Nepal from 2018 to 2024. His role involved designing and managing critical information systems for disaster risk reduction, including the Bipad portal, Reconstruction Management Information System (RMIS), Resource Management System, and Volunteer Management System (VMS). His responsibilities encompassed coordinating with stakeholders, overseeing IT projects, developing training programs, ensuring data security, and supporting policy-making initiatives through data analysis and visualization.

Prior to this, Sachin served as a Web Developer and Data Management Officer at Web Fusion Nepal from 2013 to 2018, where he led software development projects, managed databases, and contributed to web application development. His expertise in programming languages such as C, C++, Java, Python, and PHP, along with his proficiency in GIS mapping, SharePoint, and AI-based modeling, have been instrumental in his success.

Throughout his career, Sachin has provided consultancy services to national and international organizations, offering insights on data visualization, system documentation, and disaster management strategies. His technical leadership in major national platforms, including his role as a Technical Lead for Asia Shelter Forum 2020 and Co-facilitator for Asia Shelter Forum 2021, underscores his ability to drive impactful initiatives.

Sachin believes in the transformative power of technology in shaping society. He advocates for ethical AI practices, ensuring technological advancements align with cultural values and community needs. His vision is to leverage data science and AI to build resilient communities, enhance disaster preparedness, and develop intelligent decision-support systems that optimize resource allocation and policy-making.

As a master's student, one of the most challenging aspects of his studies has been balancing academic research with practical implementation. Navigating complex AI model training, dealing with real-world data inconsistencies, and integrating AI-driven solutions in disaster management require continuous learning and adaptation. His research focuses on AI-driven predictive analytics, sustainable data management frameworks, and innovative solutions for disaster risk reduction.

Sachin’s contributions to academia and research include multiple published reports and case studies, such as the 'Urban Housing Recovery - July 2020' and 'Impact of COVID-19 on Post-Earthquake Recovery and Reconstruction - June 2020,' where he played a crucial role in data collection, analysis, and publication. His research interests revolve around AI applications in disaster risk management, real-time data monitoring, and predictive modeling for crisis response.

Equipped with a diverse skill set spanning programming, database management, AI model development, GIS mapping, and system security, Sachin continues to drive technological advancements in his field. His ambition is to develop intelligent systems that enhance disaster risk assessment and response, ultimately contributing to sustainable development and community resilience.