

Sonam Gurung

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Summary

Software Engineer with hands-on experience in building real-world projects and a passion for continuous learning and growth. Committed to improving through practice and embracing challenges. Actively seeking opportunities to collaborate with industry experts and further develop skills in software engineering.

Education

University of South Dakota *Aug 2024 – May 2026*
MS in Computer Science

- **Coursework:** Data Mining, Design and Analysis of Algorithms, Distributed Systems

University of Wolverhampton *Mar 2021 – June 2023*
BS in Computer Science with Honors

- **First Class Honors**
- **AAA** Scholarship recipient
- **Coursework:** Introduction to AI and ML, Software Development, Object-Oriented Programming

Experience

Full-stack Software Developer (Remote) *Rotterdam, Netherlands*
Paksa *May 2024 – July 2024*

- Developed Figma Widget and its dashboard app using React, NodeJS, Firebase and TypeScript
- Integrated Single Sign-On (SSO) authentication with a custom Sign-On solution for Figma users, enhancing the user experience with a seamless and secure login process
- Used GitHub's project management system to effectively manage and deliver product backlogs within each sprint, ensuring timely progress and alignment with project goals
- Followed a structured design system for front-end development using Storybook and Figma design

Django Developer *Kathmandu, Nepal*
Mango Software Solutions *Aug 2023 – April 2024*

- Contributed to the development and maintenance of Mid-West University, Nepal education management system
- Fixed issues related to the company's flagship online banking system which improved performance by 40%
- Worked with sockets, Docker, and PostgreSQL database
- Automated banking operations using Selenium and Python

Django Intern *Kathmandu, Nepal*
Flaresight *June 2023 – July 2023*

- Learned about Django Rest Framework, Redis, and Sockets
- Followed agile methodology for project management
- Worked with Micro-services architecture
- Researched improving legacy user management system

Projects

Real Estate and Tenant Management System (Property Plus)

[GitHub Repo](#) 

A web application that allows two types of users to use the application. The two types of users are the owner and the tenant. The owner can post a property for rent, manage tenants, register rent payment, and create a property contract. The tenant can search and filter properties, view property details, send an email to the owner of the property, and use the built-in chat application for communication between the owner and the tenant.

- Major features such as property listing, digital contract system, tenant management, JWT authentication, real-time chat feature, and fully responsive design
- Complete dissertation along with extensive journal references and literature review
- Artifact design documentation such as ERDs, wireframes, sequence, activity, use-case along with tests
- Hosted on free services with streamlined deployment

Educational Management Information System

[LinkedIn](#) 

Integrated system for academic institutions - Mango Software Solutions product for Mid-West University, Nepal

- Student, staff, faculty management, library management, enterprise resource planning system, examination management system
- Multi-tenant system using Django-Tenants for efficiency and shared resources among multiple institutes
- Multiple user-type system with custom roles and permission management

Big Data Analysis in Climate Change

[Research-Gate](#) 

Research article involving the use of Big Data in climate change data

- Investigating the role of Big Data in climate studies by analyzing climate data
- Applying Big Data analytics to temperature data for a deeper understanding of climate change

Workout Planner

[GitHub Repo](#) 

Full stack system to keep track of workout plans

- Perform CRUD operations on multiple workout plans with a seamless design
- Customize existing plans using the drag-and-drop feature and custom context manager
- Google SSO integration and secured backend using Firebase
- User-friendly design following proper UI guidelines

Online Banking System

[LinkedIn](#) 

Mango Software Solutions product for mid level bank

- Centralized account opening with digital video KYC using WebRTC
- Worked on developing a streamlined flow in account opening and digital banking services

Achievements

Academics, Attendance, and Attitude (AAA) Scholarship: *Awarded by Herald College Kathmandu to the top 10% of the students for their academic excellence and participation in activities with 100% fee waiver for one academic year*

First Class Honors: *Graduated Bachelor of Science in Computer Science with First Class Honors*

Technologies

Languages: JavaScript, TypeScript, Python, SQL

Technologies: React, Django, Node, MySQL, PostgreSQL, Firebase, MongoDB, Selenium, Figma