Barrie, Ontario
+1 249-989-5671
hrishi.r93@gmail.com
linkedin.com/in/hrishi-raj-sonar
hrishirajsonar.github.io

HRISHI RAJ SONAR

COMPUTER SCIENCE STUDENT

About Me

I am a prospective MSc student in the field of Computer Science, with hands-on experience as a software developer and Computer Science lecturer. I'm seeking a visionary supervisor and opportunities to apply my skills in AI and software development to innovative projects.

Education

Graduate Certificate in Artificial Intelligence – Architecture, Design, and Implementation
May 2024 - Dec 2024
Georgian College, Barrie, Ontario, Canada

Bachelor of Science in Computer Science and Information Technology
2017-2021
Tribhuvan University, Kathmandu, Bagmati, Nepal
Capstone Project: Chatbot for Cognitive Behavioral Therapy

Experience

Computer Science Lecturer, August 2023 - April 2024
Xavier International College, Kathmandu, Bagmati, Nepal
- Develop and implement curriculum of Grade 11 and 12 for Computer Science
- Design and administer assessments, projects, and assignments
- Monitor student progress, provide feedback and support

Java Developer, July 2022 - May 2023
Synergy Tech Software, Lalitpur, Bagmati, Nepal
- Full-stack web development with Java EE, JSF, Spring Boot, JavaScript, JPA, Hibernate
- Work in development of banking applications, HRM, Inventory Management project
- **Roles and Responsibilities:**
  - Design, code, test, and debug Java applications
  - Design and implement database schemas, queries, and optimizations
  - Create and maintain technical documentation, including design specifications and API documentation
  - Communicate effectively with team members, stakeholders, and management to provide updates, raise concerns, and share progress

Java Intern, Jan 2022 - March 2022
Synergy Tech Software, Lalitpur, Bagmati, Nepal
- Develop an application for software project management using Java EE, JSF, MySQL, JPA, Hibernate, Maven
- Participate in team-meetings to analyze, design & develop new features
- Create test cases to maintain quality of the code

Projects

MFin Plus
- Banking Solution for Financial Institutions like MicroFinances, Finances and Cooperatives
- Contributed in modules including KYC, loan appraisal, installment and more

Inventory Management System
- Application for businesses to track, manage, and control their inventory of goods
- Contributed in modules like purchase and sales order management, warehouse management, user management and security

Human Resource Management (HRM)
- Application for human resource management for MicroFinances, Finances and Cooperatives
- Contributed in modules including attendance, leave, payroll, travel order and more

Chatbot for Cognitive Behavioral Therapy (CBT)
- College Project in Natural Language Processing that could generate appropriate responses and act as a therapy friend
- Created with Python, Keras, Numpy, Pandas, Flask, etc.

Skills

Languages: Java, Python, JavaScript, HTML, CSS, PHP
Technologies: TensorFlow, Numpy, Pandas, Scikit-Learn, Keras, Power BI, SQL, Spring Boot, JSF, JPA, SQL, JUnit, Git

Interests

Artificial Intelligence, Machine Learning, Computer Vision, Natural Language Processing, Web Development, FinTech, Problem Solving, Data Structures and Algorithms

Certification

- Spring MVC, Spring Boot and Rest Controllers (LearnQuest), Nov 28, 2022
- Image and Video Processing: From Mars to Hollywood with a Stop at the Hospital (Duke University), Oct 27, 2021
- Neural Networks and Deep Learning (DeepLearning.AI), Jan 1, 2021
- Mathematics for Machine Learning: Linear Algebra
- Natural Language Processing with Classification and Vector Spaces (DeepLearning.AI), Jan 12, 2022

Publication

Medium Articles
- Introduction to Machine Learning
- Reinforcement Learning

Extra-curricular Activities

- Volunteer Teaching, Gyanodaya Secondary School, 4/2014-7/2014
- Volunteering with CWIN for Nepal Earthquake Relief, 2015

Reference

Mr. Ghan Bahadur Pun
Development Team Lead
Synergy Tech Software
Pulchowk, Lalitpur
Contact: 977-9864566828
Email: ghan.pun@syntechnepal.com

Ms. Sanju Puri
Academic Coordinator
Xavier International S. School
Kalopul, Kathmandu
Contact: 977-9860905933
Email: sanju.puri@xavier.edu.np