Sanam Raj Chaudhary

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Available: Year-Round 2025 for Co-op, or Full-Time Opportunities

Aspiring Software Developer | Full-Stack Web Development | AI/ML Enthusiast
Seeking full-time opportunities in Web Development, Machine Learning, or Full-Stack Development roles

Education

Bangabandhu Sheikh Mujibur Rahman Science & Technology University, Gopalganj, Dhaka, Bangladesh
Bachelor of Engineering in Computer Science and Engineering (CSE)
Jan 2018 – Jan 2024
Related Courses: Object Oriented Programming, Data Structures, Algorithms, Databases, Mechatronics, AI/ML

Technical Knowledge

- Languages: C, Embedded C, C++, Java, C#, JavaScript, Python
- Databases: Microsoft SQL Server, MySQL
- Web Technologies: HTML, CSS, Bootstrap, JavaScript, JQuery, Knockout.js, API
- Extra Skills: Robotics, ROS, Arduino, Linux, Metasploit Framework
- Frameworks & Libraries: Django, ASP.NET MVC, ADO.NET, Numpy, Pandas, Matplotlib, Scikit-learn, TensorFlow, Keras, Computer Vision
- Version Control: Git
- Certifications: Udemy, DataCamp, and Analytics Vidhya courses on Python and Data Analysis

Work Experience

InfoDevelopers Pvt. Ltd., Sanepa, Ktm – SDE Intern, Personal Management System
Jul 2021 – Sept 2021

- Designed responsive forms using HTML, CSS, Bootstrap, and ASP.NET WebForms with client-side validation using jQuery and Knockout.js.
- Implemented dynamic UI features like jQuery Tabs, Dialog Boxes, and JSON data binding in tables using ParamQuery Grid (PQGrid).
- Performed CRUD operations and remote pagination with MySQL, using AJAX and SQL stored procedures for efficient data handling.

Tathyanka Company, Nagpokhari, Ktm – SDE Intern, OCR Statement Analyzer
May 2023 – Aug 2023
- Contributed to Django web applications and RESTful services.
- Trained and deployed custom OCR models for extracting text from documents.
- Worked on facial recognition technologies including detection, landmark identification, and similarity scoring.
- Collaborated with a dynamic team to complete impactful projects.

It One Company, Jeetpur-Simra, Bara – SDE , Django Framework & MySQL
Aug 2024 – Apr 2025
- Built and deployed dynamic web applications using Django, HTML, CSS, Bootstrap, and MySQL.
- Delivered projects for Hatemalo Cooperative, Nepali Fertilizer, Jeetpur Public School,Royal Agro Farm Management System .
- Developed a question generator startup application.
- Contributed to full-stack development and collaborative software projects.

Academic & Personal Projects
- Bachelor's Thesis -Self-Driving Car – CNN model trained with simulator data (Udacity) using Python, TensorFlow, Keras.
- JPES Website – Dynamic school site with WhatsApp messaging and online admission [jpes.edu.np].
- Royal Agro Farm Management System – Developed a Django-based web app for managing dairy operations at Royal Agro Farm, featuring real-time product pricing, livestock (cow & buffalo) performance tracking, and a dashboard for profit/loss analysis, milk sales records, and visual reports using pie and bar charts. .[royalagrofarm.com.np]
- Hatemalo Co-operative – Fully dynamic website using Django and MySQL [hatemalosimara.com.np].
- Question Generator – Dynamic Django startup web app for school with user interaction and question management [qga.iton.com.np].
- Lung Cancer Prediction – Random Forest with confusion matrix, accuracy, F1-score.
- Stroke Prediction – Compared Random Forest and SVM models for patient risk detection.
- Leather Defect Detection – CNN with MobileNet-UNet for image classification of defects.
- Custom OCR API – Built OCR solution using Tesseract and REST API for text extraction.

Extra Curricular Activities
- Taught mathematics and science to underprivileged children via BSMRSTU club.
- Served as a Robotics Instructor for 2nd-year university students.
- Participated in food donation initiatives during COVID-19 lockdown with the Jeetpur Team.