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, and Jeetpur Public School.
- Developed a question generator startup application.
- Contributed to full-stack development and collaborative software projects.

PROJECTS

Bachelor's Thesis - Self-Driving Car Simulation

- Trained CNN model using Udacity simulator to predict driving actions.
- Integrated deep learning with real-time driving behavior replication.

Jeetpur Public English School Website | jpes.edu.np

- Built dynamic school website with Django, MySQL, Bootstrap.
- Added online admission form and WhatsApp messaging for parent-teacher communication.

Hatemalo Co-operative Website | hatemalosimara.com.np

- Full-stack dynamic site using Django, hosted on Hostinger.
- Enabled secure member management and data-driven interface.

Question Generator Web App | iton.com.np

- Developed tool to auto-generate questions by subject/chapter.
- Used Django backend with advanced filtering and MySQL data storage.

Lung & Stroke Disease Prediction

- Trained ML models (Random Forest, SVM) for classification tasks.

- Evaluated accuracy using metrics like F1-Score, Precision, Recall.

Leather Defect Detection using CNN

- Used MobileNet-UNet for image classification of leather defects.
- Demonstrated real-world application of deep learning in quality inspection.

Custom OCR Model with Tesseract API

- Designed REST API around Tesseract OCR for extracting text from images/documents.
- Enabled automated text parsing and analysis across document types.

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.