

# Shivam Sen

Phone: 7500915978

Email: Shivu1754e@gmail.com

LinkedIn: <https://www.linkedin.com/in/shivam-sen-406828a>

Git Hub: <https://github.com/Shivamthakur7500>.

Portfolio Link: <https://shivamthakur7500.github.io/>

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## Career Objective

Motivated Data Science fresher with strong foundations in **Python, R, SQL, and Machine Learning (Regression, SVM, XGBoost, K-Means)**. Skilled in **data preprocessing, statistical modeling, predictive analytics, and visualization using Power BI, Pandas, and Matplotlib**. Hands-on experience in **deep learning (CNN, RNN, NLP, TensorFlow, OpenCV)** and **cloud technologies (AWS, Docker, Flask)** through internships and projects. Seeking an entry-level opportunity to apply analytical skills and contribute to **data-driven solutions, model deployment, and business growth**.

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## Education

**Bachelor of Technology in Computer Science**

**Quantum University, Roorkee**

Expected Graduation: July 2027

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## Skills

- **Programming & Scripting**
  - Python, R, C, Java, JavaScript, HTML, CSS
- **Data Science & Analytics**
  - Data Preprocessing, Data Cleaning, Feature Engineering
  - Statistical Analysis (Standard Deviation, Variance, ANOVA, Hypothesis Testing)
  - Data Visualization: Power BI, Matplotlib, Pandas, NumPy
- **Machine Learning & AI**
  - Supervised & Unsupervised Learning (Regression, SVM, XGBoost, K-Means)
  - Deep Learning (CNN, RNN, NLP, OpenCV, TensorFlow, Scikit-learn)
  - PySpark for large-scale data processing
- **Databases & Querying**
  - MySQL, MongoDB, SQL Queries
- **Cloud & Deployment**
  - AWS (basic), Docker (basic), Flask, Google Collab, Jupyter Notebook, Anaconda
- **Tools & Platforms**
  - GitHub, Power BI, SciPy, Visual Studio Code
- **Soft Skills**
  - Leadership, Team Collaboration, Problem-Solving, Critical Thinking, Adaptability
- **Languages**
  - English (Proficient), Hindi (Proficient)

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## INTERNSHIPS AND EXPERIENCE:

- **Role: AI Intern**  
**Provider: Edunet Foundation (in collaboration with AICTE G Shell)**  
**Location:** Remote  
**Duration:** February 2025 to March 2025  
**Description:**
  - Designed AI-driven prototypes for sustainability challenges using **Python and ML models**, improving decision-making efficiency by ~15%.
  - Collaborated in a **5-member team** to analyse datasets and deploy data preprocessing & modelling workflows.
- **Role: AI & Cloud Intern**  
**Provider: Edunet Foundation (in collaboration with IBM)**  
**Location:** Remote  
**Duration:** June 2024 to July 2024  
**Description:**
  - Built a **chatbot prototype** using **Python, Flask, and IBM Cloud**, and developed visualization dashboards in **Power BI**.
  - Worked on **cloud-based AI solutions** and optimized data workflows, boosting project efficiency by ~20%.

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## Certifications and Training

- **Google Solution Challenge (2025) – Google**
- **MongoDB Basics for Beginners (2024) – L&T EdTech**
- **Python Essentials (2024) – Cisco**
- **Getting Started with Data (2024) – IBM**
- **Low Level Design of Payment App (2024) – Scaler**
- **Enterprise-grade AI (2024) – IBM**

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## Projects

### Sign Language Alphabet Detection using OpenCV + Media Pipe!

**Role:** Developer

Description : Developed a **real-time hand gesture recognition system** using **OpenCV, Media Pipe, and ML models**, improving accessibility for speech-impaired users.

□ Implemented **data collection, annotation, and video processing pipelines** to train recognition models with higher accuracy.

**LINK:** <https://github.com/Shivamthakur7500/Sign language Alphabet detection>.

### Data Analysis Project

**Role:** Analyst

Description: Analysed large datasets using **Python (Pandas, NumPy, Matplotlib)** to uncover trends and predict AQI levels.

Built and evaluated **predictive models**, identifying key factors affecting air quality for better environmental insights

**LINK:** <https://github.com/Shivamthakur7500/AQI-prediction-project/blob/main/AQI.ipynb>.

### Web Development Project

**Role:** Developer

Description: Designed and deployed a **responsive website** using **HTML, CSS, and**

**JavaScript**, enhancing user interaction and accessibility.

Implemented interactive features to improve **UI/UX** and showcase **frontend development skills**.

**LINK:** [https://www.linkedin.com/posts/shivam-sen-4b406828a\\_webdevelopment-html-css-activity-7273343224310550528-jL5F](https://www.linkedin.com/posts/shivam-sen-4b406828a_webdevelopment-html-css-activity-7273343224310550528-jL5F)

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## **Volunteer Experience**

### **Coding Club, Quantum University**

Role: Member

Dates of Service: August 2022 - Present

Responsibilities: Organized coding workshops and peer-to-peer learning sessions, contributed to the development of coding projects for university events.

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