SONU KUMAR SHARMA

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PROFESSIONAL SUMMARY

A skilled **Python developer** with expertise in **full-stack web development** and **data analytics**. Proficient in **Python, Django, Flask, SQL, JavaScript** with hands-on experience building CRUD applications and performing data analysis using **Pandas and NumPy**. Currently pursuing a **B.Tech** in **Electronics and Communication Engineering** at **Narula Institute of Technology**, Kolkata.

SKILLS SUMMARY

- **Languages:** C, C++, Python, SQL, JavaScript
- **Web Technologies:** HTML5, CSS3, Bootstrap
- **Frameworks & Libraries:** Django, Flask, Pandas, NumPy, Matplotlib
- **Databases & Tools:** MySQL, SQLite
- **Coursework**: Data Structure and Algorithms, Computer Networking, Object Oriented Programming, Database Management System

PROJECTS

DataVista - EDA Web App| Flask, Seaborn, Pandas

- Built a web-based **Exploratory Data Analysis** (EDA) application using **Python, Pandas** and **Flask** to analyze user-uploaded CSV files.
- Delivered real-time **data summaries** and **visualizations** without relying on a database, ensuring a **lightweight** and **efficient** architecture.
- Enabled users to **perform basic EDA** in under **10-15 seconds** per file using in-memory processing without database dependencies.

Ai Notes Summarizer| Django

- Developed an **AI-powered note summarization** web app using **Django** and **Facebook's pre-trained BART transformer model** to generate high-quality, **abstractive summaries**.
- Implemented secure **user authentication** and **session management**.
- Designed intuitive input handling for accurate summarization of long-form text in a web application.

EDUCATION

Narula Institute of Technology	**Kolkata, India**
B.Tech - Electronics and Communication - CGPA: 8.02	July 2022 - June 2026
Khanna High School (H.S)	**Kolkata, India**
Pre university (WBCHSE) - PCMB - Percentage: 64.8	June 2020 - June 2022
St. Ravidas High School	**Kolkata, India**
High school (WBBSE) - Percentage: 67.14	Passed 2020

ACHIEVEMENTS

- Selected among **43** students (from **1500+** applicants in West Bengal) for **YUVA SANGAM PHASE 5**, a 10-day **national cultural exchange program** hosted by **IIT Jodhpur** under the **Ek Bharat Shreshtha Bharat** initiative by the **Ministry of Education**, Govt. of India - CERTIFICATE   December 2024
- Earned **NPTEL** certification in **The JOY OF COMPUTING USING PYTHON** with an aggregate score of **86%**, awarded **Elite + Silver** badge by **IIT Madras** - CERTIFICATE   November 2024