Shashank Kumar Soni

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EDUCATION

National Institute of Technology, Delhi **Sept 2023 – May 2025**
M.Tech(Computer Science & Engineering- Analytics) - ***CGPA - 7.5/10*** *Delhi, India*

Kanpur Institute of Technology (AKTU) **Aug 2016 – Sept 2020**
B.Tech(Computer Science & Engineering) - ***Percentage - 77.6%*** *Kanpur, India*

TECHNICAL SKILLS

Programming Languages: C, Python, MATLAB
Machine Learning and Data Science: Regression and Classification, SVM, Clustering, Data Analysis and Model Development
Tools: VS Code, PostmanAPI, Github, ESP32-CAM, Programmable Logic Control(PLC), 3-D Printer(Creality Ender-5 Plus)
Web Development Technologies: MongoDB, HTML, CSS, PHP, Express.js, React.js, Node.js
Databases: MySQL, NoSQL
Sensors: nRF52832, SHT40, STTS751, LIS3DH, BLE-Gateway

WORK EXPERIENCE

ShipGlobal Corporate HQ **Jan 2025 – Present**
Backend Intern- On-site *New Delhi, India*

- Developed and deployed a WebView-based Android application using React Native and Android (Jetpack/Kotlin), enabling seamless mobile access to the company's logistics platform.
- Working on front-end enhancements using React.js, along with CodeIgniter 4 (PHP) and Python for web functionality and UI improvements.
- Actively handling layout responsiveness and styling using HTML/CSS to ensure consistent user experience across platforms.

iHub - AWaDH @ IIT Ropar **Sept 2024 – Dec 2024**
Project Intern (Agriculture Domain)- Hybrid Mode *NIT Delhi, India*

- Contributed to a precision agriculture research project using IoT, AI, and data analytics for sustainable farming.
- Developed and implemented smart farming solutions for soil analysis, crop monitoring, and yield prediction.
- Collaborated on large-scale agricultural datasets to enable data-driven decision-making and resource optimization.

PROJECTS

1. Election Prediction Based on Sentiment Analysis using Twitter Data **April 2024**

- Built a predictive sentiment analysis model using Python libraries like Vader, TextBlob, and Flair to analyze political tweets.
- Demonstrated Python's power in handling large-scale data, applying cloud-compatible solutions for scalability. Focused on comprehensive testing to ensure the robustness of the prediction models.
- **Algorithms Used:** Naive Baye's Classifier, NLP

2. Facial Emotion Recognition **April 2024**

- Designed and implemented a real-time video transmission system using object-oriented programming principles.
- Leveraged Python's urllib module to connect ESP32-CAM with the server for continuous data monitoring, ensuring low latency and high efficiency. Tested the system rigorously, ensuring reliable facial recognition and robust data transmission.
- **Components Used:** ESP32 CAM, FTDI Module. **Software Used:** Arduino IDE

PUBLICATIONS

- **Person Re-identification: A Retrospective Study, Recent Trends and Future Scope** in First International Conference on Innovations in Computer Science & Digital Technologies (IC2SDT 2024).

CERTIFICATIONS

- Certified as a trainer for mentoring 1st and 2nd year B.Tech students in the IoT Training Program at AWaDH-CPS Lab, NIT Delhi, in collaboration with IIT Ropar – **December 2024**.
- STC on Evolving Artificial Intelligence from NIT, Delhi - **June 2024**.
- Workshop completion certificate on python and its application in IOT from KIT, Kanpur - **Oct 2021**.
- Academic excellence award from KIT, Kanpur - **Sept 2018 - Sept 2020**.
- Fundamentals of Machine Learning training from GeeksforGeeks, Noida - **June 2019**.
- ASP.Net using C# training from H.Techsoft, Kanpur, India - **July 2018**.
- C/C++ training from Aptech, Shaktinagar, India - **June 2016**.
- Second prize in essay writing competition on Energy Conservation by N.T.P.C- Singrauli - **March 2015**.