Somil Jain

+91 7999795149 - somiljain2104@gmail.com - LinkedIn:Somil Jain - GitHub:Somil2104

EDUCATION

VIT Bhopal University   Sept'2022 – May'2026
B.Tech in Computer Science And Engineering - 8.75 CGPA   *Bhopal, India*

TECHNICAL SKILLS

- **Languages:** Python (Proficient), C/C++, JavaScript, Matlab/R, HTML/CSS
- **OS/Softwares/Tools:** Linux, Windows, Git,Figma, Canva, Photoshop
- **Libraries and Databases:** Keras, Node.js, React, JQuery , Numpy , Pandas, PostgreSQL, MongoDB, Firestore

WORK EXPERIENCE

Software Engineer Intern | VE Commercial Vehicles Limited   Oct, 2024 – Dec,2024
Machine Learning Engineering Intern : Python, OpenCV, Image Processing Libraries   *Bhopal, India (Onsite)*

- Developed a system using Python, OpenCV, and EasyOCR to extract cabin numbers from images uploaded by users, focusing on industrial dot-peen marked metal surfaces for streamlined inspection.
- Trained the EasyOCR pretrained model on a custom dataset of industrial images to improve accuracy in recognizing low-contrast, challenging markings, achieving a peak confidence score of 91%.
- Implemented regex parsing to extract alphanumeric cabin numbers from OCR results and connected the system to an API for seamless data transfer and management.

PROJECTS

Dost-Bot | AI-Powered Journal Application   **[GitHub]**
React, FastAPI, Hugging Face, NLP, Sentiment Analysis

- Engineered an AI-driven journal web app with sentiment analysis and personalized responses using the Google FLAN-T5-large model.
- Built a high-performance backend with FastAPI and deployed the app on GitHub Pages, ensuring scalability and minimal latency.
- Integrated advanced NLP techniques to deliver real-time emotional insights, enhancing user interaction and retention.

RetailIQ | Smart Inventory Forecasting and Customer Retention   **[GitHub]**
Flask, Node.js, React, Machine Learning

- Designed an AI-powered system leveraging ML models (Random Forest, XGBoost) to enable customer retention analysis and cost-to-serve optimization.
- Developed a demand forecasting engine combining behavioral and transactional data to optimize stock levels and reduce inventory wastage.
- Ensured alignment with customer-centric values through AI-driven decision-making for efficiency and satisfaction.

ACHIEVEMENTS AND AWARDS

- **Placed 13th out of 500+ teams** in the **ZelestraXaws Data Challenge (Second Edition)**, competing against **7000+ participants.**
- **Amdocs GenAI Graduate Hackathon 2024–25:** Selected as a Semi-Finalist among 10,893 participants; among the top 1% to successfully submit a working prototype.
- **Accelerate Her in Tech – Hackathon by Nokia:** Cleared Round 1 from over 30,000 participants and advanced to the Code Hunt round, securing a top rank.
- **Silver+Elite Certificate – NPTEL Cloud Computing:** Scored 86%, placing in the top 2% out of 23,872 participants.

ADDITIONAL INFORMATION

- **Spoken Languages:** Fluent in English and Hindi communication
- **Hobbies:** Cricket, chess, playing musical instruments, Stock market analysis
- **Extracurriculars: High Commendation** as Delegate of Luxembourg in **UNODC committee at CNMUN**. Active participant in Model United Nations, developing leadership and communication skills.