Somil Jain

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GitHub Profile | LinkedIn Profile

EDUCATION

VIT Bhopal University (VITB) Bhopal, Madhya Pradesh
  Bachelor of Technology with major in Computer Science and Engineering Expected May, 2026
  Cumulative GPA: 8.75/10 (6Th Semester)

St Raphael Co-Ed School Bhopal, Madhya Pradesh
  12th Standard: CBSE Percentage – 86.6% Mar, 2022

Choithram School North Campus Indore, Madhya Pradesh
  10th Standard: CBSE Percentage – 85.6% Apr, 2020

WORK EXPERIENCE – INTERNSHIP

Software Engineer Intern| VE Commercial Vehicles Limited | Oct, 2024 – Dec,2024
Python, OpenCV, QRCode.js, JavaScript , React, NodeJS, Flask, Firebase, PostgreSQL

- **Automated Cabin Number Recognition**: Built an OCR solution to recognize the cabin number embossed on the metal surface of the cabin using dot- peen marking, extract the data and integrated API for real time updates and reached a confidence level of 91%.
- **Tool QR Code Scanning:** Enabled instant manual access by scanning tool QR code via Mobile, Streamlining document retrieval.
- **Machine Maintenance Tracker:** Built web and mobile app for machine history tracking, displaying IDs, maintenance dates, and details; deployed at engine plant for real- time access.

FrontEnd Designer | Garuda Prakashan Pvt Ltd. | *Figma, Canva , Adobe Photoshop* Jun , 2024 – Jul, 2024

- A series of high-fidelity prototypes for the company website utilizing Figma , canva and photoshop , which resulted improved collaboration efficiency among cross-functional teams, fostering better alignment.

PROJECTS

Dost-Bot | AI-Powered Journal Application | React, FastAPI, Hugging Face, NLP, Sentiment Analysis *Github Link*

- Engineered an AI-driven journal web app with sentiment analysis and personalized responses using Google FLAN-T5-large model.
- Built a high-performance backend with FastAPI and deployed the app on GitHub Pages, ensuring scalability and reducing response times.
- Integrated advanced NLP techniques to provide real-time emotional insights and improving user experience.

Smart Inventory Forecasting and Customer Retention | *Flask, Node.js, React, Machine Learning* *Github Link*

- Designed and implemented an AI-powered solution for retail, utilizing machine learning models (Random Forest, XGBoost) to drive personalized offers, retention analysis, and cost-to-serve optimization.
- Innovated a demand forecasting engine that combined customer behavior and sales data to optimize inventory man engagement, reducing stockouts and overstock situations.
- Integrated Walmart's core values by aligning AI-driven decisions with customer satisfaction, operational efficiency, and data-driven service excellence.

Best Price Predictions from product history | *Flask, HTML, CSS* *Google Colab*

- Developed a price prediction website that processed images to provide real-time pricing data and buying recommendations.

TECHNICAL COMPETENCIES

- **Programming language / Technology**: Python, Java, Solidity, JavaScript, HTML5, CSS, C++, PostgreSQL, MongoDB, Software Design, Linux, Firestore, Git, Database Management System, Linux System design and administration, Object Oriented Design, Computer Networks
- **Design Tools**: Figma, Canva, Adobe Photoshop
- **Frameworks and Libraries**: Node.js, React.js, Jquery , numpy , pandas

ACHIEVEMENTS / AWARDS

- **Silver+Elite Certificate in NPTEL Cloud Computing Certification:** top 2% among 23,872 participants with a score of 86%.
- **GoldMedal:** Awarded for Excellent Performance at the CBSE Board Class 12th Exam by Patrika.
- **Finalist: App-a-thon:** Advanced to the finals of App-a-thon, a 48-hour mobile app development competition, as one of the only first-year student to reach finals among 200+ participants.
- **Amdocs GenAI Graduate Hackathon 2024-25:** Semi-Finalist in the hackathon where a total of 10,893 people participated and only 1% made it to the successful submission of the prototype.
- **Accelerate Her in Tech - A Student Hackathon by Nokia:** Cleared Round 1 from 30,000+ participants and competed in the Code Hunt round, ranking among the top participants.

ADDITIONAL INFORMATION

Languages: Fluent in Hindi and English communication.
Hobbies: Cricket, chess, playing musical instruments, Stock market analysis
Certifications & Training:
- **Cloud Computing (IIT KHARAGPUR):** NPTEL Online Certification
- **Summarized Learning C++Netlink Training Program:** Netlink
- **The Bits and Bytes of Computer Networking:** Google
- **Learning Python:** Linked-In Learning