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 - 87%
Choithram School North Campus   Mar, 2022
  10th Standard: CBSE Percentage - 86%   Apr, 2020

WORK EXPERIENCE - INTERNSHIP

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

- **Automated Cabin Number Recognition**: Developed 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.

Graphic 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 in a 40% reduction in design revisions and improved collaboration efficiency among cross-functional teams, fostering better alignment.

Graphic Designer | Aghanya Cow Products| *Adobe Photoshop*   Apr, 2024 – May, 2024

- Designed product packaging and crafted compelling poster designs using Adobe Photoshop, effectively enhancing brand visibility and appeal.

PROJECTS

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

- Developed an AI-driven journal web app with sentiment analysis and personalized responses using Google FLAN-T5-large model, enhancing user engagement by 40%.
- Built a high-performance backend with FastAPI and deployed the app on GitHub Pages, ensuring scalability and reducing response times by 30%.
- Integrated advanced NLP techniques to provide real-time emotional insights, improving user experience and boosting mobile interactions by 25%.

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.
- Developed 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.
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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

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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.

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