

# SUDEEP J

Mob:8073964188 | Email: [sudeep8997j@gmail.com](mailto:sudeep8997j@gmail.com) | Profile: <https://my-portfolio-sage-one-25.vercel.app/>

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## PROFESSIONAL SUMMARY

Analytical and passionate engineering graduate with experience in software projects, customer-oriented solutions, and leadership initiatives. Skilled in technical problem-solving, communication, and building innovative solutions. Patent holder and hackathon finalist with proven ability to drive efficiency and value delivery across projects and teams.

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## EDUCATION

- **New Horizon College of Engineering** 8.30 CGPA  
B.E-Electrical and Electronics Engineering (2022-2026)
- **St. Francis Institution (Bangalore)** 85.22%  
PCMC- 12th.

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## TECHNICAL SKILLS

- **Design Tools:** Figma. Miro(Basic).
- **UX fundamental:** Wireframing, user flow, Basic Figma tools.
- **Programming:** python, Java with DSA and HTML
- **Networking Fundamentals:** Computer Networking concepts and MySQL.
- **Soft skills:** Problem Solving, Scrum, Leadership, Communication, Teamwork and strong logical thinking.

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## PROJECTS

- **Lab Asset Management & Tracking System:**  
designed to streamline the management and tracking of lab assets such as laptops, printers, mouse and software licenses within an organization. Developed using Core Java with strong implementation of OOPs principles, the system utilizes JDBC to connect to a MySQL database for performing real-time crud operations.  
Tech Stack: Java, JDBC, MySQL, OOP
- **Design and Simulation of a High-Speed AI Accelerator Core Using Domino Logic:**  
This project proposes the design of a MAC unit using Domino logic, which is significant speed over traditional CMOS logic. The aim is to enable AI processing for edge and embedded applications with improved efficiency.  
APPLICATION: Used in hardware like Google TPU and NVIDIA Tensor Cores for fast and energy-efficient neural network processing.
- **Expense Tracker – “Expensive Friends but Manageable”**  
Built a console-based expense tracking solution with custom distribution categories and filtering options, and Helped users manage shared expenses transparently, enabling better financial decision-making, customer trust.  
Tech Stack: Java, SQL Database.

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## CERTIFICATIONS

- Solved Java 500+ problems - [Code Chef](#).
- Python essentials - [Infosys](#)
- SQL Foundation Course – [Hacker Rank](#)
- Operating Systems – [Cisco](#)
- Data Science Foundation – [IBM](#).

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## LEADERSHIP & INITIATIVES

- **Published Patent:** “*Ventilated Smart Techno Shoe for Trekking*” Designed a smart trekking shoe with integrated sensors to monitor steps, terrain, and environmental conditions.
- **Secretary, Robohorizon Club:** Organized AI and robotics based workshops and competitions (Velocity Rush State level -event)