

SUDEEP J

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PROFESSIONAL SUMMARY

- Motivated and quick-learning fresher with strong problem-solving and communication skills.
- Seeking an opportunity to demonstrate my academic knowledge and begin a professional career while contributing to organizational success.

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.

TECHNICAL SKILLS

- **Programming:** Java, Python, OOPs and DSA.
- **Networking & Databases:** MySQL, Computer Networking Concepts, DBMS.
- **Soft Skills:** Problem Solving, Leadership, Teamwork, Communication, Logical Thinking

PROJECTS

1. SMART COLLISION DETECTOR FOR DRIVERLESS VEHICLES

- Developed an Arduino-based collision detection system to enhance the safety of driverless vehicles. Used ultrasonic sensors to continuously scan for nearby obstacles and trigger real-time alerts to prevent collisions. Focused on accurate sensor calibration, fast data processing, and reliable obstacle detection.
- Designed the project to be easily scalable and adaptable for future improvements in autonomous vehicle technology

2. 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.

3. DIGITAL EXPENSE MONITORING SYSTEM

- Currently developing a web-based Expense Tracker system to help users record, categorize, and monitor daily spending through an intuitive interface. Implementing backend logic for secure data storage, automated calculations, and real-time analytics such as monthly and category-wise reports.
- Designing a structured database with plans for secure login, user profiles, and budgeting information, along with notifications for budget limits and monthly summaries. Aiming to deliver a complete end-to-end solution that enhances personal financial management with accurate insights and strong security.

CERTIFICATIONS

- Solved Java 500+ problems - [Code Chef](#).
- Data Science Foundation – [IBM](#).
- SQL Foundation Course – [Hacker Rank](#)

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 .

LANGUAGES: English, Kannada, Hindi.