SUDEEP J

Mob: 8073964188 | Email: sudeep8997j@gmail.com | Portfolio: Sudeep J — Portfolio

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.