Yaman Gupta

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EDUCATION

PES University	Bengaluru, Karnataka
Bachelor of Technology	Expected May 2025
Computer Science and Engineering	CGPA -7.77(Till 4th Sem)

Relevant Coursework: Operating System, Computer Network, Data Structure Database Management, Human-computer Interaction, Graph Theory

SKILLS SUMMARY

- C, C++, Python, HTML, CSS, JavaScript, MySQL, PostgreSQL, Git, Github, Object Oriented Programming

PROJECTS

[Number Plate Detection System](#):
- Developed a robust Number Plate Detection System utilizing **Optical Character Recognition** (OCR) technology for extracting alphanumeric characters from vehicle license plates
- Implemented image processing and **Computer Vision** tasks using OpenCV, enhancing the system's capability to capture and process vehicle images effectively
- Utilized **Tesseract OCR engine** for accurately recognizing text from license plates, ensuring exact extraction of alphanumeric characters
- **Libraries Used**: OpenCV, ExcelWitter, Tesseract, Imutils

[Facial Attendance System:](#)
- Designed and implemented a **robust** facial recognition attendance system, automating the tracking process for students during class sessions
- Incorporated OpenCV for **real-time image capture through webcams**, ensuring accuracy and efficiency in attendance management
- Employed **MySQL** and **Microsoft Excel** for secure and accessible storage of attendance data, enhancing accuracy and facilitating efficient data management
- **Libraries Used**: OpenCv, MySQL,Tkinter, ExcelWitter

[Real-Time Chat Application System](#)
- Seamlessly merges **TCP socket programming** with interactive GUI
- Designed for **multiple users** on different devices **within the same network**, it ensures secure and instant connectivity
- **Libraries Used:** tkinter, Socket

ACHIEVEMENTS

- **Distinction Academic Awards:** Received Distinction Academic Awards during the 2nd and 4th semesters for outstanding academic performance recognized by the university
- **"Best Business Model Canvas" Award:** Recognized with the **"Best Business Model Canvas**" award during the Entrepreneurship course (CIE)
- **Hackathon Success:** Ranked among the **top 20 teams** across the university in the Hackathon organized by CIFSR
- **GeeksforGeeks Ranking:** Achieved a rank of **60** in GeeksforGeeks practice sessions, showcasing problem-solving skills within the university's GFG community