YASH PAL

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EDUCATION

J.C. Bose University of Science and Technology, YMCA Dec 2021 – Jun 2025

Bachelor of Technology in Computer Science Engineering; CGPA: 7.09

Relevant Coursework: Data Structures, Algorithms, Database Management, Software Engineering, Machine Learning

SKILLS

Technical Skills	Python, C++, SQL, JavaScript, HTML, CSS, Data Science (Pandas, NumPy)
Tools	Jupyter, VS Code, PyCharm, GitHub, Tableau, Power BI
Soft Skills	Leadership, Problem Solving, Time Management, Communication, Public Speaking, Writing

EXPERIENCE

Software Development Intern Jan 2024 - Jun 2025

Destino IT Solutions *On-site*

- Developed and optimized features for internal tools using Python and Flask, enhancing performance by 30
- Worked in a collaborative Agile team, conducting code reviews and contributing to the development of RESTful APIs.
- Designed and implemented automated testing solutions, reducing the manual testing time by 25

PROJECTS

Self-Driven Car Simulator Developed a self-driving car simulator offering a safe, cost-effective platform for testing self-driving algorithms without real-world risks. Built using only HTML, CSS, and JavaScript, without any external libraries.

Tools Used: HTML, CSS, JavaScript

Hand Sign Gesture Recognition Developed a real-time hand gesture recognition system using MediaPipe and deep learning, classifying key points and optimizing performance with efficient data structures.

Tools Used: Python, OpenCV (cv2), MediaPipe, CvFpsCalc

Heart Disease Prediction Model Built a machine learning model using Python (scikit-learn) to predict heart disease based on patient data, achieving 85 percent accuracy with a Random Forest classifier.

CERTIFICATIONS

- Deloitte Australia Technology Job Simulation on Forage (Feb 2025): Completed a job simulation involving development and coding. Wrote a proposal for creating a dashboard solution.
- Data Analytics and Visualization (by Accenture)
- Python Developer Associate CPDA-24

POSITION OF RESPONSIBILITY

- Led and participated in community service initiatives under NSS, focusing on social welfare and rural development.
- Coordinated awareness campaigns on health, hygiene, and environmental issues, promoting positive societal change.