

ABHISHEK KUMAR SINGH

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Results-driven software developer with strong programming expertise in C++ , java and Python, specializing in data structures, algorithms, and scalable software solutions. Proficient in data analysis, problem-solving with a strong foundation in machine learning concepts, including predictive modeling and statistical analysis. Adept at leveraging technical skills to optimize processes, enhance system efficiency, and contribute to high-impact projects. A proactive team player with a fast-learning ability, keen on driving innovation and delivering data-driven solutions in dynamic, high-performance environments.

Education

C.V. Raman Global University	2022 – 2026
Bachelor of Technology in Computer Science and Engineering	Bhubaneswar, India
DAV PUBLIC SCHOOL	2019 – 2021
Higher secondary education	Ranchi, India
B.P. DAV PUBLIC SCHOOL	2015– 2019
Senior secondary education	Garhwa, India

Projects

Real Estate appraisal modeling	January, 2025
<ul style="list-style-type: none">Acquired and cleaned datasets containing property features, historical prices, and geospatial dataIdentified key factors like location, property size, and amenities influencing real estate pricesBuilt predictive models using algorithms such as Linear Regression and Gradient Boosting.Integrated location-based metrics and visualized their impact on property values.Developed an interactive dashboard for real-time price prediction and trend visualization.	
Pong Game- using C++ & Raylib	November, 2024
<ul style="list-style-type: none">Developed a 2D Pong game using C++ and the Raylib graphics library.Implemented smooth paddle controls and realistic ball physics with increasing difficulty.Added audio-visual effects including sound, screen shake, and particle collisions for enhanced gameplay.Managed game states (Menu, Play, Game Over) using object-oriented programming.Optimized performance using iterative development, unit testing, and Raylib debugging tools.	
E-Grocery Management Solution	March, 2024
<ul style="list-style-type: none">Designed and implemented a database to efficiently store product, inventory, and customer information.Built a responsive and user-friendly web interface for browsing, ordering, and managing groceries.Created a dashboard to visualize sales trends, user activity, and inventory insights.Developed a robust database to store product details, customer information, and transaction records.	

Skills

Languages: C++, Python, Java, HTML, CSS, JavaScript, SQL

Developer Tools: VS Code, Anaconda, MS Office

Technologies/Framework: Linux, Windows, GitHub

Concepts: Data Structures and Algorithm, Object-Oriented Programming, Foundations in machine learning

Certifications

- Google UI/UX Design
- Foundations in Machine learning and data science (udemy)
- Industry 4.0 certification by TATA STEEL digie-shala

Interests

- Exploring Human Emotions & Storytelling Through Literature
- Exploring Historical Events & Their Impact on Modern Society
- Creative & Travel Photography