

Rachit

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Education

Jaypee Institute of Information Technology

B.Tech in Computer Science Engineering, Noida, 2021–2025

Ryan International School

Senior Secondary Percentage: 94.5%, Sohna, 2020–2021

Work Experience

CODTECH IT SOLUTION

Web Development Intern

Remote

June 2024–July 2024

- Translated designs into responsive interfaces using HTML, CSS, JavaScript, and React.
- Achieved a 30% increase in user satisfaction by enhancing the overall web experience.
- Boosted deadline adherence by 15% through timely completion of project deliverables.
- Reduced project turnaround time by 20% through optimized coding practices.

Projects

○ Emergency Navigation System

- Designed a delivery system utilizing the Dijkstra Algorithm for optimal pathfinding, managing routes across 200+ delivery points.
- Leveraged graph and heap structures to enhance algorithm efficiency by 30%, reducing computation time by 15 seconds per route.
- Refined resource allocation and delivery processes, cutting delays by 25%.
- Enhanced route efficiency to ensure quick delivery, reducing average times from 45 to 30 minutes.

○ Credit Card Customer Report

- Implemented interactive dashboards in Power BI, enabling real-time data monitoring and visualization that empowered project managers to track key performance indicators for three major projects simultaneously.
- Created Power BI dashboards to analyze credit card transactions, revealing spending patterns and boosting marketing effectiveness by 20%.
- Enabled stakeholders to make data-driven decisions, enhancing overall customer satisfaction by 15%.

○ AgroTech

- Enabled data analysis, model training, and visualization for improved agricultural insights, processing over 100 entries.
- Engineered a web-based app with HTML/CSS, Machine Learning, and Python, supporting 20+ concurrent users.
- Enhanced crop recommendations and fertilizer predictions, aiding 20+ farmers in boosting profitability by 25%.
- Designed a user-friendly interface to streamline decision-making and elevate user experience by 30%.

Technical Skills

- **Languages:** C/C++, Python, JavaScript, HTML, CSS, SQL
- **Skills:** Data Structures and Algorithms, Database Management (MySQL, Hadoop)
- **Areas of Interest:** Software Development, Web Development, Data Analysis

Certifications and Achievements

- Resolved 250+ intricate algorithmic problems on competitive coding platforms, significantly enhancing problem-solving skills and technical expertise in various algorithms, leading to improved coding efficiency and speed.
- As captain of the volleyball team, honed leadership, strategic planning, and team-building skills by formulating game strategies that maximized team strengths and minimized weaknesses, resulting in a 75% winning rate.
- **Certifications:** Problem Solving, SQL, Data Analysis using Excel, Data Visualization with Tableau and Power BI