

ABHIJEET SHARAN

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Education

Birla Institute of Technology, Mesra

2023 - 2025

- Master's of Computer Applications | CGPA: 7.40

Birla Institute of Technology, Mesra

2020 - 2023

- Bachelor's of Computer Applications | CGPA: 8.03

Skills

Language: C++, Python, HTML, CSS, Javascript, SQL

Frameworks: Tailwind CSS, React.js, Express.js, Node.js

Techniques: Object Oriented Programming

Tools: Git, Github, Visual Studio Code, MySQL

Projects

Employee Payroll System | C++, OOPs

- Developed a robust Employee Payroll System featuring a user-friendly terminal interface, enhancing accessibility for non-technical users and reducing payroll processing time by 50%.
- Leveraged Object-Oriented Programming (OOP) principles by creating an abstract Employee class and concrete subclasses (FullTimeEmployee and PartTimeEmployee) to handle specific payroll calculations, streamlining operations and minimizing errors by 40%.
- Applied OOP properties such as **Encapsulation** to secure employee data, **Inheritance** to promote code reusability, **Polymorphism** for flexible method overriding, and **Abstraction** to define a clear contract for subclasses, enhancing maintainability.

Hostel Room Allotment System | HTML, CSS, JavaScript, React.JS

- Created an efficient platform for students and administrators to manage room-related requests, including new assignments, swaps, and vacation applications, improving request processing time by 40%.
- Enhanced administrative efficiency by 40% through streamlined workflows and automated processes, reducing the need for manual interventions.
- Integrated with existing college systems, resulting in a 30% reduction in manual administrative tasks and increased accuracy of room assignments.
- Enabled a user-friendly interface for students to submit vacation applications, leading to a 20% increase in timely submissions and approvals.

BIT Care - BIT Mesra Dispensary App | MERN Stack | React.js | Tailwind CSS | Express.js | Node.js | MongoDB

- Developed a web app using React.js and Tailwind CSS, improving healthcare access for 5,000+ campus users.
- Implemented an appointment system with features for booking, rescheduling, and cancellations, reducing scheduling errors by 40%.
- Integrated MongoDB Atlas and Node.js backend, supporting real-time updates for 1,000+ daily appointments.
- Designed an intuitive appointment management interface, improving user experience and increasing engagement by 30%.

Academic and Extracurricular Achievements

- Achieved 1st Prize at Data Hunt - Data Science Summit 23, Birla Institute Of Technology, Mesra
- Achieved 1st Prize at Speedster - Aurora 23, Birla Institute of Technology, Mesra

Positions of Responsibility

Dristi Charitable Trust | Volunteer

April 2022 - April 2023

- Led outreach efforts to raise awareness about social service events, resulting in a 20% increase in volunteer participation; organized a Diwali celebration that provided joy and engagement to over 70 elderly residents.
- Spearheaded the planning and execution of a blood donation event at BIT Mesra Lalpur Campus, resulting in the collection of 60+ pints of blood and fostering strong partnerships with local healthcare organizations for future initiatives.