



Subrat Upadhyay

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Bhubaneswar, Odisha

SUMMARY

Motivated and adaptable Computer Science Engineering student with a passion for software development, emerging technologies, and problem-solving. Committed to personal growth while contributing meaningfully to organizational success. Driven by the desire to solve complex challenges, innovate, and create impactful solutions.

WORK EXPERIENCE

Sasken Technologies Ltd. | *Summer Intern*

June 2025 – July 2025

- Created Secure Chat System using mTLS - a secure, real-time chat application in C++17 for encrypted client-server communication over TLS.
- Implemented two-way certificate authentication and ensured end-to-end encrypted communication using OpenSSL.
- Ensured data confidentiality and integrity by preventing man-in-the-middle and unauthorized access.

PROJECTS

AeroFlow | C++, OOPs

- Designed and implemented a console-based airline booking system using object oriented programming principles.
- Build features for ticket booking, cancellation, Seat allocation and PNR-based retrieval.
- Implemented city-wise fare calculation, airline selection, seat allocation and input validation.
- Added input validation and error handling for invalid selections, seat unavailability and PNR checks.

Smart Parking and Billing System | Python, Sql, Html, Css

- Implemented a secure admin login using SHA-256 password hashing for authentication and data integrity.
- Developed a secure admin authentication system using SHA-256 password hashing.
- Implemented database-driven vehicle and slot management using SQL.
- Designed a dynamic HTML/CSS billing interface with real-time tax and fee calculations.

TECHNICAL SKILLS

Languages: C, C++, Python

Web Technologies: HTML5, CSS3

Core CS Concepts: Basic Data Structures and Algorithms, Object Oriented Programming

Database: MySQL, Oracle

Tools and Platforms: VS Code, Google Colab, GitHub, Microsoft Office, Windows, Linux.

CERTIFICATIONS

SQL(Intermediate) | *HackerRank*

October 2025

Introduction to Cyber Security | *Cisco Networking Academy*

August 2024

Emerging Technologies (AI and Cloud) | *Edunet Foundation*

June 2024

EDUCATION

C.V. Raman Global University

Bachelors Of Technology in Computer Science and Engineering

Bhubaneswar, Odisha

Currently Pursuing

Sai Higher Secondary School

Senior Secondary High (Class XII)

Baripada, Odisha

2020 – 2022

TPS DAV Public School

Matriculation (Class X)

Baharagora, Jharkhand

Passout - 2020