

# Yash Thakur

yt31556@gmail.com | +91 9819010080 | Koparkharine, Navi-Mumbai

## EXECUTIVE SUMMARY

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I'm Yash Thakur, a final-year Computer Science student at SIES College, Nerul, with a strong passion for technology and problem-solving. I've grown up in a diverse environment that has shaped both my technical and interpersonal skills.

Over the past few years, I've built a solid foundation in Python, SQL, Django, Machine Learning, and Data Structures & Algorithms. I've actively applied these skills in real-world projects—such as building dynamic web applications using Django, creating predictive analytics models with machine learning, and designing efficient algorithms to solve complex problems.

Beyond academics, I bring a competitive and team-oriented spirit as a passionate football player, having competed at various levels and earned several awards. I'm now looking to channel my technical knowledge and drive into innovative projects where I can learn, grow, and contribute meaningfully to impactful teams.

## Internships

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### 1. Mira Advanced Engineering, Thane, India

(25 Jul, 2023 - 25 Aug, 2023)

**Designation —Python Developer**

During my one-month Python development internship, I gained hands-on experience with Python libraries for data analysis and visualization. I worked on four key projects: a digital clock, a GUI calculator, a feedback management system, and an employee management system. These projects sharpened my skills in Python programming, GUI design, and database management, while also enhancing my ability to meet deadlines and consistently deliver high-quality work.

### 2. Mira Advanced Engineering, Thane, India

(20 Sep, 2023 - 20 Oct, 2023)

**Designation —Django Developer**

During my one-month Django developer internship, I successfully completed four projects: a Bitcoin converter, a square root finder with login authentication, a Bus Route finder, and a college management system. This experience bolstered my web development, authentication, and database management skills.

## Projects

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### 1. Jarvis Voice Assistant :

This project creates a voice assistant for computers that allows users to complete tasks by speaking commands instead of typing, making it easy to search the web, set reminders, and control smart devices hands-free. The main goals are to provide quick information, automate tasks, save time, and assist people, especially those with disabilities, in their daily activities. It works by taking voice input through a microphone, processing the commands using Natural Language Processing to understand the user's intent, executing the requested action, and providing spoken feedback through text-to-speech technology. The project is primarily built using Python, along with HTML, CSS, and JavaScript for the user interface if it's web-based, making it a convenient and user-friendly tool for interacting with computers.

### 2. Bank Management System :

Developed a role-based desktop application that simulates core banking operations. The system supports three user roles—**Manager**, **Accountant**, and **Client**—with dedicated dashboards and permissions.

Key features include: **User Authentication** with role-based access, **Account Management** (create, search, update), **Transactions**: Deposit, Withdraw, Transfer, Cheque Deposit, **E-Statement Generation**: Clients can download PDF statements using iText, **Secure Database Operations** via JDBC with MySQL backend.

Focused on data integrity, password management, and access control to simulate real banking standards.

### 3. Reservation Management System :

Developed a Python-based reservation system featuring two main options: user ticket booking and admin login. Users input details such as name, destination, date, and flight, with validation checks to ensure data accuracy (e.g., preventing null or incorrect entries). Admins, using a unique login ID and password, can access a dedicated dashboard to view and delete user reservations. This system streamlines the reservation process and ensures secure, efficient management of bookings

## SKILLS

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- Python
- Java
- SQL
- HTML/CSS/Javascript
- Object Oriented Programming
- C++

## EDUCATION

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SIES Graduate School of Technology , Nerul, Navi Mumbai  
B.E. in Computer Engineering (CGPA 7.7/10)

(2025)

## CERTIFICATIONS

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- Python with Data Structures, Data Bases and Data Science
- MYSQL 8.x WITH PL/SQL DATABASE PROGRAMMING
- Django Web Framework & REST API