

# YASH SRIVASTAVA

## Engineering Student with a Passion for Innovation

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### Summary

"I am a second-year B.Tech student in Computer Science and Engineering with a strong foundation in software development and data structures. Through my internship at Code Tech Solution and participation in hackathons, I have honed my skills in full-stack development, problem-solving, and team collaboration. With a CGPA of 8.02 and hands-on experience in Python, Java, and full-stack projects, I am eager to contribute and further develop my technical expertise in a dynamic environment."

### Education

#### Bachelor of Technology (B.Tech) | Computer Science and Engineering

SRM Institute of Science and Technology (Deemed University) | 2023 – Present | Chennai, India

- **Current CGPA: 8.02**
- Relevant Coursework : Data Structures, Algorithms, Database Management

#### Higher Secondary Education

Cathedral Sr. Sec. School | 2008 – 2023 | Lucknow, India

- **Higher Secondary (Science Stream - PCM)**

### Experience

#### CODE TECH | SOFTWARE DEVELOPMENT INTERN | JANUARY 2025 – MARCH 2025

- Developed full-stack applications using HTML, CSS, JavaScript, and Socket.IO.

#### SHESAFE | RESEARCH AND DEVELOPMENT INTERN | JUNE 2025 – JULY 2025

- Selected for a mission-driven IoT-focused internship at a safety-tech startup.

### Technical Skills

- **Programming Languages:** Python, C, C++, Java, HTML, CSS, JavaScript
- **Framework :** Django, Flask, React
- **Databases:** MySQL, SQLite, PostgreSQL
- **Concepts:** Data Structures, Algorithms, REST APIs
- **Soft Skills:** Team Collaboration, Effective Communication, Time Management, Creative Problem- Solving

## Projects

### BudgetMate – Personal Finance Tracker (2025)

Technologies: **React.js, HTML, CSS, JavaScript**

- Developed a single-page application using **React** to help users manage personal finances intuitively.
- Enabled categorized expense logging, dynamic budget visualization, and responsive UI components..

### CHATBOT (2025)

Technologies: **JavaScript, Node.js, Express.js, MongoDB**

- Created a full-stack application demonstrating CRUD operations **and RESTful API integration**.
- Utilized **MongoDB** for data storage and retrieval, ensuring efficient database management.

### SMART SHOP (2025)

Technologies: **Python (Flask), HTML, CSS, JavaScript, SQLite**

- Developed an e-commerce platform with user login, product listings, and cart features.
- Used Flask and SQLite for backend logic and data management.

### VOLT VISION (2024)

Technologies: **Python (Flask), HTML, CSS, JavaScript, SQLite**

- Created a voltage monitoring dashboard with real-time data visualization.
- Integrated C# processing with a Flask web interface for efficient performance.

## IoT-Based Projects

### Smart Car Parking System (2025)

Technologies: **Arduino, Sensors, Firebase, OCR**

- Designed an IoT-enabled parking system with real-time slot detection and license plate recognition.
- Implemented a web interface with cloud integration for bookings and admin analytics.

### Dual-Axis Sun-Tracking Solar Panel System (2024)

Technologies: **IoT, LDRs, Microcontroller**

- Built a dual-axis sun-tracking system to maximize solar panel efficiency by 30–40%.
- Used LDRs and a microcontroller to dynamically align panels with sunlight throughout the day.

## Hackathons

### Hackathon Participation – Java | [MARCH 2025]

- Participated in a Java-based hackathon on March 2, 2025.
- Recognized for hands-on coding, problem-solving, and active engagement.

## Certifications

- **Programming in Java – NPTEL** (Issued by Govt. of India) (2024)
- **Activity-Based Learning Skills – SRM Institute of Science and Technology** (2024)
- **Internship Completion Letter – Code Tech** (2025)
- **Software Engineering Job Simulation – Electronic Arts (Forage)** (2025)

