# Satwik Kambham

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github.com/code-explorer

## EDUCATION

**Bachelors in Computer Science and Engineering,** Chandigarh University, Punjab, India

2020 - 2024

## ACHIEVEMENTS

**Microsoft Learn Student Ambassador**
2022 - Present

## SKILLS

**Languages**:
C#, Java, Python, C++, SQL

**Desktop and Mobile Development:**
Xamarin, .NET MAUI, .NET WPF, Electron

**Web Development:**
JavaScript, HTML, CSS, Node JS, Express

**Others:**
Git, GitHub, Unity, Docker, LaTeX, SQLite

## COURSES AND CERTIFICATIONS

- Data Structures and Algorithms
- Database Management System
- Object-Oriented Programming in C++
- Web Development
- An Introduction to Artificial Intelligence
- Computer Organization and Architecture.
- Computer Networking
- Open Source Software Development Methods

## SUMMARY

Logical, organized, highly motivated problem solver. Strong foundation in data structures and algorithms. Experienced in object-oriented programming, debugging and testing code. Excellent teamwork, interpersonal and communication skills. Proficient at applying newly learnt concepts to projects. Skilled at collaborating with others and also successful in self-directed settings.

## EXPERIENCE AND PERSONAL PROJECTS

### PROJECT MANAGER V2:
A .NET WPF desktop application that has an easy to use interface and various productivity features to manage programming projects.
**Tools Used:** .NET, C#, LiteDB.

### CAPTIONATOR:
A desktop application that provides live captions of audio from other applications or from a microphone.
**Tools Used:** Python, WxPython, Vosk.

### BREAK TIMER:
A desktop application that reminds the user to take breaks and helps the user stay healthy by providing tips.
**Tools Used:** Electron, HTML, CSS, JavaScript.

### MUSICO (Collaborative Project):
A music store page that allows creators to add their music which the users can play based on their subscriptions.
- Led the team and guided each individual to collectively create the winning project.
- Created the backend of the application using Node JS, Express and SQLite.

**Tools Used:** Node JS, Express, SQLite, HTML, CSS, JavaScript.

### OTHER PROJECTS
- Personal Website – A simple portfolio website.
- 8-Puzzle Solver – Solver which uses state-space search methods.
- Particle Collision Simulator – A simple simulation made in java.
- Project Manager – A Qt-based desktop application.
- Sorting Algorithm Analysis – A sorting algorithm speed analyzer