

# Ashwin Tirpude

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## Summary

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Motivated and solution-driven final-year MCA student with strong proficiency in C and system-level programming. Experienced in building efficient software solutions and passionate about problem-solving. Actively seeking opportunities in software development.

## Education

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### Savitribai Phule Pune University

Aug 2023 – July 2025

Master of Computer Application

- GPA: 6.9/10.0 ([result](#) [🔗](#))
- **Coursework:** Computer Architecture, Algorithms, DBMS, Operating System, Computer Networks

### KBC North Maharashtra University

Aug 2020 – June 2023

Bachelor of Computer Application

- GPA: 9.8/10.0 ([result](#) [🔗](#))
- **Coursework:** Web Development, C/C++ Programming

## Projects

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### File System

[github.com/repo](#) [🔗](#)

- Developed a flat file system which functions by using a binary file as a Virtual Disk and supports 4 main features: Adding files, Listing stored files, Retrieving specific file, and Deleting files.
- Working on Defragmentation Algorithm.
- Challenges: Bit manipulation, handling file pointers, file deletion, and dealing with fragmentation.
- Tools Used: C

### CSV Filter

[github.com/repo](#) [🔗](#)

- It filters rows from a CSV file based on specified constraints. As the program processes multiple conditions, it generates temporary files to manage the filtering at each stage. In the end, it returns the record fields that satisfy all the given constraints.
- Challenges: Separating strings with different delimiters , handling file parsing efficiently.
- Tools Used: C

### Expense Tracker

[github.com/repo](#) [🔗](#)

- Developed a responsive Expense Tracker app to manage daily expenses, featuring a bar graph for category-wise expense visualization. The app dynamically adjusts to different screen sizes.
- Tools Used: Flutter, Dart, Firebase

## Technologies

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**Languages:** C, Java, Dart, SQL

**Databases:** MySQL, PostgreSQL