

# GAGANDEEP RAI

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**LinkedIn** : <https://linkedin.com/in/gagandeep-rai/> **Website** : <https://gagandeeprai.github.io/Portfolio/>

## EDUCATION

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### RV College of Engineering

B.E. in Information Science and Engineering *CGPA: 9.03*

Bengaluru, IN

Sep 2024 - Aug 2028

### Ambika PU College

Pre University PCMCs *Percentage: 94.84%*

Mangalore

Jul 2022 - Jul 2024

## PROJECTS

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### Pic2ascii - Image to ASCII Converter (C++)

<https://github.com/Gagandeeprai/pic2ascii>

- Built a cross-platform **C++17** CLI tool to convert images into colored or grayscale ASCII art.
- Implemented bilinear interpolation, adaptive contrast, and automatic terminal width detection.

### terminal-tetris — Terminal Tetris Game (C, ncurses) <https://github.com/Gagandeeprai/terminal-tetris>

- Developed a terminal-based Tetris clone with collision detection, scoring, and increasing difficulty.
- Added ghost piece projection, pause/resume, and responsive keyboard controls.

### Portfolio Website - JS, HTML, CSS

<https://gagandeeprai.github.io/Portfolio/>

- Designed and deployed a personal portfolio website hosted on GitHub Pages with GitHub Actions CI/CD.

## SKILLS

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Programming languages: Python, C++, C, SQL

Tools: Git, GitHub, Docker

Concepts: Data Structures (basics), Game Loops, CLI Tools

## SOCIETIES

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### Coding Club RVCE

*Member*

Bengaluru, IN

Dec 2024 - Present

### CubeX Club RVCE

*Member*

Bengaluru, IN

Dec 2024 - Present

## CERTIFICATIONS

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### CS50: Introduction to Computer Science

Harvard University

### Docker Foundations Professional Certificate

Docker

### Career Essentials in Software Development by Microsoft and LinkedIn

Microsoft