

# Aryan Saxena

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## EDUCATION

### Iowa State University Of Science And Technology

Ames, Iowa

Bsc. Computer Science, **GPA 4.0**

Graduation Date: May 2027

### Birla Institute Of Technology And Science, Pilani

Pilani, India

B.E Computer Science, **GPA 9.45, Top 2% Merit-Scholar**

## PROJECT EXPERIENCE

### Modern Portfolio

Ames, Iowa

[www.aryan-saxena.com](https://www.aryan-saxena.com)

Jun 2024 - Present

- Server-Side Rendering (SSR), API Routes and File-based Routing using NextJs
- Accenture, Framer Motion, ShadCN - Implemented UI Libraries and upgraded the Tech-Stack
- ReactJs, TailwindCSS - Constructed the Frontend and implemented its interactions with backend

### Abstract-Mario

Ames, Iowa

[www.github.com/aryansaxena1210/abstract-mario](https://www.github.com/aryansaxena1210/abstract-mario)

Jan 2024 - Mar 2024

- Developed an interactive game, which is a cross between Snakes and Packman
- Applied principles of OOP: Abstract Classes, Inheritance, Polymorphism, and Encapsulation.
- Utilized data structures and implemented file input/output operations (FileReader and FileWriter)
- Designed and implemented algorithms to manage game logic, including movement and interactions of lizards.

### Snakes x Packman

Ames, Iowa

[www.github.com/aryansaxena1210/snakes-x-packman](https://www.github.com/aryansaxena1210/snakes-x-packman)

Mar 2024 - May 2024

- Constructed a game which represents an Abstract-Mario Game
- Implemented classes like Platform Element, Moving Element, Flying Element, Follower element, etc.
- Designed Complex algorithms for collision detection, scoring, player movement and game dynamics
- Conducted thorough unit testing and debugging to ensure reliability of game mechanics and user interface

### Tweetsy API

Ames, Iowa

[www.github.com/aryansaxena1210/tweetsy-api](https://www.github.com/aryansaxena1210/tweetsy-api)

May 2024 - Jun 2024

- Built a dynamic Android application using Kotlin and Jetpack Compose to display categorized tweet lists.
- Integrated Firebase to securely store and manage tweet data, ensuring real-time updates and synchronization
- Utilized Hilt for dependency injection, simplifying code management and improving scalability Leveraged Retrofit to handle API requests efficiently, ensuring seamless communication with the backend.

## WORK EXPERIENCE

### Freelancing

Ames, Iowa

Developed an Application for Delta Sigma Phi

Jul 2024 - Present

- Created an application to foster a seamless-functioning within the Fraternity
- 50+ Download/Active Users expected after completion
- Techstack: React-Native, Firebase

### Masawi

Chandigarh, Indi

Backend Developer

Start Date - Finish Date

- API implementation (Express and NodeJs)
- Developed APIs that handled requests between the frontend and services