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   *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   *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   *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   *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