

JAY NAKUM

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Portfolio: jaynakum.github.io ♦ LinkedIn: [JayNakum](#) ♦ GitHub: [JayNakum](#)

PROJECTS

CPU Scheduling Simulator — Python, Dart, Flutter, Firebase, Google Colab, Jupyter Notebook [GitHub](#)

- Developed a simulator for process scheduling in Flutter.
- Implemented FCFS, SJF, SRTF and RR algorithms in Python.
- Retrived user input from firebase for scheduling.

FlappyPlane — Java, LibGDX [GitHub](#)

- Recreated the classic FlappyBird game from LibGDX documentation.

Snake — Java [GitHub](#)

- Recreated the classic snake game.
- Implemented the snake using images.

Wave — Java [GitHub](#)

- Developed a single player game.
- Implemented some calculations for an enemy to follow the player.

Portfolio — Github Pages, HTML, CSS, JavaScript [GitHub](#)

- Created a portfolio website hosted via github pages.

LiViD — Dart, Flutter, Firebase, Agora [GitHub](#)

- Created a live streaming app.
- Implemented agora SDK for live streaming.

eXPe — Dart, Flutter, SQLite [GitHub](#), [Playstore](#)

- Published a simple expense tracker app.

SKILLS

Languages	Java, Python, C++, C, SQL, Dart, HTML, CSS
Frameworks	Flutter, Android
Operating System	Linux, Windows, Android
Developer Tools	Git, GitHub, VS Code, Eclipse, Android Studio, Google Colaboratory, Canva
Fields	Software Development, Game Development, Data Structures and Algorithms, Deep Learning, Machine Learning, Research
Libraries	LibGDX, NumPy, Matplotlib, pandas

EDUCATION

School of Technology (Pandit Deendayal Energy University) Gandhinagar, Gujarat
Bachelor of Technology - Computer Science and Engineering - 9.8 CGPA Aug 2021 - Present

Shree Amrutlal Veerpal Parekh Technical Institute (Gujarat Technological University) Rajkot, Gujarat
Diploma - Computer Engineering - 9.74 CGPA Aug 2018 - Jun 2021

Kendriya Vidyalaya (Central Board of Secondary Education) Rajkot, Gujarat
X Grade - 85.6% Apr 2008 - Mar 2018

CERTIFICATIONS

- [JPMorgan SE Virtual Program](#)
- [SSIP Project Competition](#)
- [Flutter and Dart - The Complete Guide](#)

INTERESTS

Game Development, Game Engine Development, OpenGL, Deep Learning, Machine Learning, Artificial Intelligence, Software Development, Problem Solving

HOBBIES

- Playing Guitar.