JAY NAKUM

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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 automatically.

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

Tech	C++, Dart, Java, Python, C, SQL, HTML, CSS, Flutter, REST API, Firebase, SQLite, Android, OpenGL, Graphics Programming, LibGDX
Developer Tools	Git, GitHub, VS Code, Visual Studio, Eclipse, Google Colaboratory, Jupyter Notebook, Android Studio, Canva
Operating Systems	Linux (Manjaro / Arch), Windows, Android
Fields	Flutter Development, Graphics Programming, Data Structures and Algorithms, Deep Learning, Machine Learning, Research

EDUCATION

School of Technology (Pandit Deendayal Energy University) Gandhinagar, Gujarat
Bachelor of Technology - Compter 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

- Flutter and Dart - The Complete Guide - UDEMY
- SSIP Project Competition
- JPMorgan SE Virtual Program

INTERESTS

Flutter, Graphics Programming, Game/Graphics Engine Development, Game AI, Game Development, Artificial Intelligence, Machine Learning, Deep Learning, Software Development, Problem Solving

HOBBIES

- Playing Guitar.