

# JAY NAKUM

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## EXPERIENCE

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### Flutter Intern

vigIT Solutions

Jun 2022 - Sept 2022

Rajasthan, India

- Developed and published 2 flutter apps with extensive api integration and providers package.
- [Completion Letter](#)

## PROJECTS

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### Happy Face — C++, OpenGL

[GitHub](#)

- Scene Based OpenGL Renderer, primarily a playground to experiment and dive deep into advance concepts.

### BitNCrypt — C++

[GitHub](#)

- An algorithm for password generation and management.

### Out For Delivery — OpenGL, C++, GLFW

[GitHub](#)

- Implemented shaders, textures, transformations and coordinate systems with OpenGL.

### CPU Scheduling Simulator — Python, Flutter, Firebase, Google Colab, Jupyter Notebook

[GitHub](#)

- Developed a simulator for process scheduling algorithms in Flutter with python. [University Project]

### LiViD — Flutter, Firebase, Agora

[GitHub](#)

- Developed a live streaming app with one to many calling sessions using agora SDK. [University Project]

### eXPe — Flutter, SQLite

[GitHub](#)

- Published a simple expense tracker app on [google playstore](#).

## SKILLS

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### Tech

C++, OpenGL, GLSL, Python,  
Flutter, Dart, REST API, Firebase,  
Java, C, SQL, PL/SQL, LibGDX, HTML, CSS, Android

### Developer Tools

Git, GitHub, Visual Studio, VS Code,  
Google Colaboratory, Jupyter Notebook, Eclipse, Android Studio, Canva  
MySQL Workbench, Visual Paradigm, LaTeX

### Operating Systems Fields

Linux (Manjaro / Arch), Windows, Android  
Graphics Programming, Data Structures and Algorithms,  
Flutter Development, Research, Artificial Intelligence, Machine Learning

### Soft Skills

Problem Solving, Time Management, Teamwork, Leadership,  
Accountability, Communication

## EDUCATION

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### School of Technology (Pandit Deendayal Energy University)

Bachelor of Technology - Computer Science and Engineering - 9.91 CGPA

Gandhinagar, Gujarat

Aug 2021 - Present

### Shree Amrutlal Veerpal Parekh Technical Institute (Gujarat Technological University)

Diploma - Computer Engineering - 9.74 CGPA

Rajkot, Gujarat

Aug 2018 - Jun 2021

## **AWARDS AND CERTIFICATIONS**

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- [UCSD CSE167x: Computer Graphics](#)
- [Flutter and Dart - The Complete Guide - UDEMY](#)
- [SSIP Project Competition](#)
- [JPMorgan SE Virtual Program](#)

## **INTERESTS**

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Computer Graphics, Game/Graphics Engine Development, Flutter, Game AI, Game Development, Artificial Intelligence, Machine Learning, Deep Learning, Software Development, Problem Solving, Algorithmic Solving, Competitive Programming (CP)

## **LANGUAGES KNOWN**

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- English (Full professional proficiency)
- Hindi (Full professional proficiency)
- Gujarati (Native proficiency)

## **HOBBIES**

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- Playing Guitar