

Nilesh Kumar Pandey

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EDUCATION

- **Rajiv Gandhi Institute of Petroleum Technology** Jais, UP
(An Institute of National Importance along the lines of IITs)
Bachelor of Technology in Computer Science and Engineering; CPI: 7.38* Dec 2020 - Jun 2024
- **Kendriya Vidyalaya No 4** Jaipur, Rajasthan
Intermediate: 78.8 % Jun 2017 - May 2019
- **Kendriya Vidyalaya No 4** Jaipur, Rajasthan
Matriculation: 9.8 cgpa Jun 2016 - May 2017

PROJECTS

- **Encrypted Messaging Chat App** | *Flutter, Firebase* — 2022
 - Developed an encrypted messaging Flutter Chat app that utilizes end-to-end encryption for secure communication between users. [GitHub](#)
 - Implemented encryption technique AES-256 for secure data transmission and storage
 - Integrated Firebase for user authentication, real-time chat
 - Implemented an elegant UI design using Flutter widgets
- **E-Commerce Cross platform App** | *Flutter, Firebase* — 2023
 - Developed a E-commerce cross platform App using Flutter
 - Integrated Firebase and Cloud Firestore to manage user authentication and data storage
 - Utilized provider for state management and bloc pattern for better code organization and separation of concerns
 - Designed a responsive user interface using VelocityX flutter package UI framework and custom animations
- **Augmented Reality Flutter App** | *Google ARCore SDK, Flutter* — 2023
 - Flutter application which uses Google's ARCore to spawn 3D models of various tourist attractions into the real world, from the comfort of your home. Additionally, it uses the Sceneform SDK to make it easier to handle 3D models
 - Designed and developed a user-friendly interface to display the AR experience
 - Used AR core plugin that provides us API to implement Augmented reality in flutter application
- **Eye detection and comparison using MATLAB image processing** | *Matlab* — 2021
 - The unique iris pattern from a digitized image of the eye is encoded into a biometric template, and then stored in a database.
 - Utilized image enhancement and segmentation techniques to isolate the eyes in an image

SKILLS

- **Areas of Interest:** Flutter App development ,Competitive Programming, Data Structures and Algorithms, Full Stack Development, Cloud Computing , AR-VR
- **Languages:** C/C++, Python, JavaScript, Dart, HTML, CSS
- **Tools:** Flutter, Firebase, Node, Matlab
- **Databases and API:** MySQL , REST, Google ARCore

ACHIEVEMENTS

- Solved 300 + problems on Leetcode, HackerRank, Codechef and Codeforces
- Google Kickstart(Round G) Rank 2760 [Certificate](#)
- Qualified IIT-JEE Advanced 2020, ranking in the top 1.8%.

POSITIONS OF RESPONSIBILITY

- **Event Management Head** OWASP, RGIPT
- **Film and Media Club Head** Cultural RGIPT