NIKHIL **NAYAK**

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EDUCATION

KIIT University, Bhubaneswar — *B.Tech*

2019 - 2023

Stream: Computer Science & Engineering
CGPA: 9.17/10

SBD International School, Bhadrak — *Senior Secondary (XI–XII)*

2017 - 2019

Stream: Science

RELEVANT EXPERIENCE

Gigsy LLP, Bangalore — Web Developer

OCTOBER 2020 - PRESENT

- Designed an **End-to-End** Coupon management system for creators
- Worked extensively with **MERN stack**.
- Built a **standalone UI package** to prevent 3rd party usage.
- Transformed their website to an **installable PWA**, with proper cache management.

DSC KIIT, Bhubaneswar — Android Developer & *ML Lead*

AUGUST 2019 - JULY 2020

- Worked on a social media app (Storyd) using **Flutter**
- Designed several backends around **Firebase**
- Used **Python**'s scientific libraries to perform image processings on various datasets
- Designed many neural network architectures that helped boost the accuracy

KIDE Devs, Bhubaneswar — Android Developer

JANUARY 2020 - AUGUST 2020

- Worked on a University guide app named KIDE using **Flutter**
- Used **FireBase** for storage and authentication handling.
- Designed an admin panel for University officials using **ReactJS** to allow post create, delete and update

SKILLS

Python Advanced	Flutter Advanced
Firebase Advanced	ReactJS Intermediate
ExpressJS Intermediate	SpringBoot Intermediate
NodeJS Intermediate	Angular Intermediate
TensorFlow Intermediate	MongoDB Intermediate
GitHub Intermediate	Postgresql Beginner

PORTFOLIOS

GitHub Profile
github.com/NikhilCodes

LinkedIn
nikhil-nayak-3b0967179

Personal Website
nikhilcodes.github.io

COVID-19.In — An app to display *covid19 stats for India*
https://github.com/NikhilCodes/COVID-19-India

- Intuitive UI
- Used Line and Pie chart to display stats for greater readability
- Used covid19api for India to fetch data.
- Implemented Dark and Light mode

Mind Plane — An everyday journal app
https://github.com/NikhilCodes/MindPlane

- Stores data in SharedPreferences
- Used **RIVE** to get flr files and display animations using FlareActor
- Used lots of **flutter** builtin animation widgets like AnimatedOpacity, AnimatedContainer & Heros

News/Blog App — A sophisticated News/Blog app made with Flutter
https://github.com/NikhilCodes/Flutter-News-App

- Functionality to save blog as Offline Reads
- Added an apt amount of animations
- Large and small blog tiles depending on image aspect ratio.

Image Colorizer — Application of CNN to auto colour black and white scenic image
https://github.com/NikhilCodes/Image-Recolorizer

- Implemented a simple encoder decoder architecture to achieve this functionality
- Wrote script to cope with smaller dataset by flipping & rotating skewing image

Shortest Path Simulator — Program to visually simulate the working of Path Finding Algorithms
https://github.com/NikhilCodes/PathFinder-AlgoVisual

- Used to animate and show shortest path finding algorithm working
- Implemented **Dijkstra** and **A* algorithms**
- Used **PyGame** for rendering graphics

VirtualBLU — Virtual Assistant for PC
https://github.com/NikhilCodes/VirtualBLU

- Used **TensorFlow** for text classification
- Used **wolfram|alpha api** as knowledge base
- Created a sleek UI using Python's **PyQt5**

Photomosaic generator — Converts images and videos to photomosaic
https://github.com/NikhilCodes/Photo-MosaicINATOR

- Used **numpy** for accelerated computation
- Uses videos streams to generate output in realtime

MemerSala — Social Media for Memes
https://github.com/NikhilCodes/MemerSala

- Used python's **flask** api as backend
- Implemented **salted SHA512** hashing for passwords
- Added basic features like Sign Up, Sign In, Log out, Global Chat & Create Posts

Draw Anywhere — Computer Vision project to let user draw in 3D space
https://github.com/NikhilCodes/Draw-Anywhere

- Used **OpenCV** algorithms to detect pen tips
- Trained a tensorflow model to detect handwritten digits up to 99% accuracy