

Nitin Garg

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Portfolio: nitingarg.vercel.app



EDUCATION

Thapar Institute of Engineering and Technology, Patiala <i>Computer Science and Engineering</i>	CGPA 9.95 Aug. 2022 – Present
DAV Public School, Kotkapura <i>Senior Secondary Education</i>	Grade 98.4% Aug. 2020 – May 2022

EXPERIENCE

Undergraduate Research Assistant <i>Thapar Institute of Engineering and Technology</i>	Nov 2023 – Dec 2023 <i>Patiala, Punjab</i>
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- Contributed to the publication of a research paper titled: "Multi-modal brain image fusion using improved dual-channel PCNN"
- Developed MATLAB modules for image processing tasks, enhancing efficiency in data analysis
- Successfully submitted the research paper for revision under the guidance of Dr. Chinmaya Panigrahy from the Computer Science and Engineering Department

PROJECTS

Refurbished | *React, NextJS, Firebase, Tailwind CSS*

- Developed a full stack web application to help students sell their used hostel essentials
- Handled the testing and deployment tasks and deployed the final build to refurbished.vercel.app
- Used Firebase for providing Storage, Authentication and Database services
- Website Link: refurbished.vercel.app

tktable | *Python, tkinter*

- Developed a python module named tktable which can be used to display tables in tkinter GUI library
- Published the package on PYPI. Now it can be installed using pip install tktable
- Used OOPS principles in Python to develop this module
- PYPI Link: pypi.org/project/tktable

Newzic | *Flutter, Dart, GetX*

- Developed an android news application using Flutter and OpenAPI's news API
- Implemented the code using the popular MVC pattern
- Used GetX for state management purposes
- Github Repo: github.com/nitingargg/Newzic

TECHNICAL SKILLS

Languages: C/C++, Python, SQL, JavaScript, HTML/CSS, Dart

Frameworks: React, Next.js, Node.js, Flask, FastAPI, Flutter

Databases: MySQL, SQLite, MongoDB, Firestore

Developer Tools: Git, Docker, VS Code, Postman

Coursework: Basic C Programming, Object Oriented Programming, Operating Systems, Data Structures, Algorithms, Database Management System

ACHIEVEMENTS

Smart Punjab Hackathon: First Runner Up at the Smart Punjab Hackathon 2022

Merit Scholarship Holder: Among the first 35 students of university to get 100 % fee scholarship

Academics: Attained the second position in the Computer Science branch at Thapar Institute of Engineering and Technology

Kaggle Contributor: A certified contributor on Kaggle platform with 2 bronze medal notebooks