

Tarun Singh Chauhan

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🔗 Portfolio

🐙 GitHub Profile

🌐 LinkedIn Profile

Motivated Computer Science student skilled in MERN stack, Python scripting, and React Native. Strong foundation in data structures, algorithms, and database management, with experience in delivering end-to-end projects.

EDUCATION

- **Bachelor of Computer Applications** 2022-current
Chandigarh Group of colleges, Mohali
- **12th** 2021
Army Public School No. 1, Roorkee
- **10th** 2019
Army Public School No. 1, Roorkee

PERSONAL PROJECTS

- **ActLocal - Hyperlocal Service marketplace**
Developed a React Native mobile application connecting local service providers with customers in a hyperlocal marketplace. Focused initiatives
 - Geolocation-based Search
 - Provider Profiles
 - Booking and Payment *
 - Chat with client/provider
 - Technology Used: React Native, MongoDB (with geospatial indexing), Express.js, Node.js, Figma
- **Frew - Android quick Commerce shopping App** ongoing
MERN stack E-commerce app to see, search and buy products from nearby vendors.
 - JWT Authentication
 - Products Database
 - NodeJs server
 - Technology Used: ReactNative, NodeJS, MongoDB, ExpressJS.
- **Shorturl**
MERN stack project that shortens your URL and makes it easy to share.
 - Converts URL in short and also redirects
 - Technology Used: ReactJS, NodeJS, MongoDB, ExpressJS
- **Python PDF Password Cracker**
The script generates all possible passwords and attempts to decrypt a given PDF file using these passwords.
 - Technology Used: Python, PyPDF, numpy
- **Python Voice Assistant**
It streamline your daily tasks by opening applications, conducting web searches, and providing information.
 - Tracking world-wide cases using google maps and live API stats and datasets.
 - Technology Used : Python, speech recognition, pyttsx3.
- **React dice game**
A Basic Dice Game. You need to select any number. if selected number is equal to dice number you will get the same point as dice.
 - Technology Used: ReactJS

EXPERIENCE

•Penthara Technologies

January - February 2025

On Site

- Designed and implemented Planetabled’s website using WordPress and Elementor, and developed features for the Asset and Inventory Management (AIM) application leveraging Microsoft Power Apps and React components. Gained practical experience in the Microsoft 365 ecosystem, including SharePoint, Power Apps, and Power Automate.

•CodeAlpha

July - September 2024

Online

- Developed and implemented Python-based solutions during a Code Alpha internship, gaining practical experience in software development.

•Oasis Infobyte

Aug 2022 - September 2022

Online

- Gained hands-on experience in HTML, CSS, JavaScript and Bootstrap.
- Contributed to Several landing Pages with and gained proficiency in my skills.
- Understood concept of Web & Internet.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python,Java, Javascript, HTML+CSS

Libraries : C++ STL, Python Libraries, ReactJs, npm libraries

Web Dev Tools: Nodejs, VScode, Git, Github, WordPress, Elementor

Frameworks: ReactNative

Cloud/Databases:MongoDb, Relational Database(mysql)

Relevant Coursework: AI, Data Structures & Algorithms, Operating Systems, Object Oriented Programming,Computer Networks, Database Management System, Software Engineering.

Areas of Interest: Web Design and Development, Cloud Security.

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability, Team Work

ACHIEVEMENTS

•Completed CS50

Completed Harvard University’s CS50: Introduction to Computer Science and received a completion certificate.

Gained a foundational understanding of computer science concepts, including programming, data structures, and algorithms. Completed a final project using best practices and gained skills.

•Fisrt Position in Python PDF password cracking competion

Awarded first place in a PDF password cracking competition, demonstrating proficiency in Python scripting and cryptography concepts.