Vinay Singh

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EDUCATION

Bachelor of Science in Computer Science   Aug. 2021 – Aug. 2024
from Acharya Narendra Dev College, University of Delhi   *New Delhi, India*

PROJECTS

Conference Video Call App | *Express, NodeJS, EJS, PeerJS*   July 2023
- Developed video calling web application using **Express** and **SocketIO**. Achieved **Peer to Peer** connection with **PeerJS** to handle **WebRTC** connections. Used **Bootstrap** to make simple styles and UI.
- Implemented **Custom Room ID** using express routes and requests. **Multiple users** display with **responsive** layout. Handled **video and audio stream** with the help SocketIO and PeerJS.
- **Hosted** the code on GitHub with **git** and **deployed** it using Render.com to showcase it easily.
- Visit app at *videocall-express.onrender.com*, view code at *github.com/vinay-code7/videocall-express*

Working URL Shortener Web App | *Python, Flask, SQLite3, Bootstrap*   July 2023
- Developed a URL shortener app using **Flask** for backend, **Jinja** for frontend and **Sqlite3** for database.
- Implemented **Custom Short Url** to strore the links, **Click Count** and **Last Visited** for more information.
- Created a **Simplistic UI** using bootstrap. Also created a **Public Database** to see all the created links.
- **Hosted** the code on Github and **deployed** it using PythonAnywhere.com
- Visit the app at *vinaycode7.pythonanywhere.com*, view the code at *github.com/vinay-code7/CS50-project*

Multiple Python Games | *Python, Pygame, Game Development*   2021-2022
- Created many games in Python using **Pygame** library and **Object Oriented** Programming
- **Game List**: Car Game, Knife Hit, Pong Game, Space Invaders, Space Ship, Tic Tac Toe.
- Used different **data structures** and **algorithms** while creating all the games.
- **Hosted** the code on github with a good **readme**, view at *github.com/vinay-code7/Python-Games*

ACHIEVEMENTS

○ Became **Top 20% rated** by achieving **1600+ rating** on **Leetcode**. Verify at *leetcode.com/vinaycode7*
○ Achieved **1600+** rating (Divison 2) on **CodeChef** through contests. Verify at *codechef.com/users/vinay_609*
○ Solved **450+** problems on DSA at **GeeksforGeeks**. Verify at *auth.geeksforgeeks.org/user/vinaycode7*
○ Multiple **badges** and **certifications** on **HackerRank**. Verify at *hackerrank.com/vinaycode7*

CERTIFICATIONS

○ Harvard's CS50x **Introduction to Computer Science** and Programming. Verify at *bit.ly/vinay-cs50*
○ freeCodeCamp's **JavaScript Algorithms and Data Structures**. Verify at *bit.ly/fcc-js-dsa*
○ freeCodeCamp's **Scientific Computing with Python**. Verify at *bit.ly/fcc-python*
○ Jovian's **Data Analysis with Python**. Verify at *jovian.com/certificate/MFQTKMJVGE*
○ Jovian's **Data Structures and Algorithms in Python**. Verify at *jovian.com/certificate/MFQTIOBUGA*

TECHNICAL SKILLS

Programming: Python, JavaScript, C++, C, Java | **Skills**: Web Development, Data Structures and Algorithms
Database: MySQL, SQLite3, MongoDB | **Frameworks**: React, Flask, Express(NodeJS), Vite, Django
Libraries (Python): Pygame, NumPy, pandas, Matplotlib, scikit-learn, OpenCV, Requests, Beautiful Soup, Pillow
Libraries (JavaScript): Moment.js, Axios, Socket.io, PeerJS | **Tools**: VS Code, Github, ChatGPT, Notion
Deployement: Vercel.com, Netlify.com, Render.com, PythonAnywhere.com, Cloudflare.com

CODING PROFILES

Leet: leetcode.com/vinaycode7 | **Hackerrank:** hackerrank.com/vinaycode7 | **Codechef:** codechef.com/users/vinay_609
CodeForces: codeforces.com/profile/vinaycode7 | **GeeksForGeeks:** auth.geeksforgeeks.org/user/vinaycode7
Coding Ninjas: codingninjas.com/studio/profile/vinaycode7