

OMKAR MUTYALWAR

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EDUCATION

Degree	Institute	Percent/CGPA	Year of Completion
B.E in Computer Engineering	PICT, Pune	9.47	2027 (Expected)
HSC	NSB Junior College, Nanded	75.67%	2023
Class X (SSC)	Nagarjuna Public School, Nanded	90.2%	2021

TECHNICAL SKILLS

Programming Languages	Python, C++, JavaScript
Web Development	HTML, CSS, React, Web Development
Tools & Technologies	Git, Linux (Ubuntu)
Soft Skills	Problem Solving, Team Collaboration, Proficient in English

PROJECTS

Calculator with Flask and React

Developed a calculator capable of performing calculations up to 1000 digits, leveraging Flask for the backend and React for the frontend.

Technologies: Flask, React, JavaScript, Python.

Key Achievement: Efficient handling of large numbers for seamless user experience.

Tetris Game using Python OOP

Built a Tetris game using Python's object-oriented programming principles, implementing the classic game mechanics with smooth user interaction.

Technologies: Python (OOP).

Key Achievement: Successfully implemented the game's logic and collision detection algorithms.

Graphical Password Authentication System

Developed a secure authentication system using cued click points instead of traditional text-based passwords. Features include user registration, sequential image presentation for authentication, tolerance zones around click points, and secure data storage.

Technologies: React, Tailwind CSS, Node.js, SQL, TypeScript.

Key Achievement: Enhanced authentication security through visual feedback and tolerance zones for seamless user experience.

Shopping Site – E-commerce with Flask

Built a simple e-commerce application using Flask and SQLite, featuring user authentication, virtual currency, product catalog, and order history.

Technologies: Flask, SQLite, Python.

Key Achievement: Improved transaction efficiency by optimizing database queries.

EXTRACURRICULAR ACTIVITIES

- ACM Student Chapter, PICT** Oct 2024 - Present
Actively participated in programming sessions and facilitated discussions for over 100 attendees, promoting technical collaboration and skill development.

CERTIFICATIONS

- **C++ Programming - Beginner to Advanced**
- **Complete Python Bootcamp**

HOBBIES AND INTERESTS

- **Reading and Movies:** Exploring diverse genres to broaden perspectives.
- **Podcasts:** Regularly listen to tech and personal development podcasts.
- **Travel and Culture:** Passionate about exploring new places and understanding different cultures.