Saketh Sunil Pai

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EDUCATION

SFS Public School	10th Grade, 2022	**94.6%**
Christ Academy Junior College	12th Grade, 2022-2024	**92%**
PES University	B. Tech. in Computer Science	**CGPA : 8.02**

SKILLS

Programming Languages	Python, JavaScript, TypeScript, C, Java, Bash, Batch, C#, Rust
Tools and Frameworks	Git, Linux, .NET Framework, Unity, Godot
Web and Database	ReactJS, Supabase, MySQL, NodeJS, Flask, TailwindCSS
Cybersecurity	Nmap, Bettercap, Wireshark, Aircrack-ng suite, BurpSuite

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PROJECTS

Gesture Recognition

Tools : *Python, MediaPipe, OpenCV, Git, Batch scripting, MySQL*

- Developed a real-time gesture recognition system using Mediapipe and OpenCV to detect hand gestures via webcam input.
- Mapped specific gestures to Windows .bat scripts, allowing users to execute custom commands using hand signals.
- Implemented gesture-based volume control to enhance usability and provide an intuitive, touchless interaction experience.

RefractAI

Tools : *NextJS, TailwindCSS, Convex, Clerk, Git, Supabase, GeminiAPI, Render, SQL*

- Created a web app with intuitive UI using NextJS and TailwindCSS.
- Implemented text-to-query , enabling users to generate SQL queries from simple text prompts, with reasoning as to how that query has been generated.
- Designed an Admin table to prohibit unauthorized access to SQL tables.

SudokuMaster

Tools : *ReactJS, Vite, TypeScript, Replit*

- Built an interactive Sudoku solver web application that solves puzzles using backtracking.
- Designed an intuitive UI with React and TailwindCSS, allowing users to input puzzles manually.
- Employed TypeScript for improved type safety and maintainability, and deployed the project on Replit for easy access and collaboration.

CERTIFICATIONS

Google Cybersecurity Certification   2024
Skills Learnt :
Python, Linux, SQL

Ethical Hacking from Scratch   Ongoing
Skills Learnt :
Linux, NMap, Wireshark, Aircrack-ng suite, Bettercap

EXTRACURRICULAR ACTIVITIES

Club Head, Parallax (Game Development Club)

- Organized multiple tech workshops
- Conducted a hackathon with over 150 participants
- Organized a seminar with over 300 registrations, the highest ever seen in the club.

Club Member, WEAL (Health Club)

- Conducted a hackathon involving over 250 participants