ARCHANA

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Education

PSG College of Technology, B.Tech in Information Technology   Aug 2023 – May 2027
- CGPA: 8.33 (up to 4th semester)
- **Coursework:** Computer Networks, Data Structures, Web Development, Database Management Systems, Operating Systems

Shree Sarasswathi Vidyaah Mandheer, Class XII – CBSE   Apr 2022 – Mar 2023
- Score: 90.8%

Skills

Programming Languages: Python, Java, C, JavaScript
Frontend: HTML, CSS
Databases: MySQL, PostgreSQL, MongoDB
Tools & Software: VS Code, MySQL Server, Cisco Packet Tracer, Wireshark, Keil Software

Projects

Student Result Management System
Developed a CLI-based application using **Python** and **MySQL** to manage student records with features like grade calculation and report generation.Implemented modular logic, input validation, and error handling to ensure data accuracy and smooth performance.
Tech Stack: Python, MySQL

Personal Portfolio Website
Created a responsive personal website using **HTML**, **CSS**, and **JavaScript** to display academic achievements, projects, and coding profiles. Ensured cross-device compatibility, clean UI, and linked to GitHub and LeetCode profiles for professional visibility.
Tech Stack: HTML, CSS, JavaScript

Smart Ventilation System
Engineered a temperature- and humidity-based automation system using **MicroPython**. sensors to control ventilation fans. Enabled energy-efficient indoor climate control through real-time sensor data processing and logic programming.
Tech Stack: MicroPython, Embedded C

Achievements

- Solved **150+ problems** on LeetCode; earned the **50 Days Badge** for consistency.
- **3rd Place** – CodeRally competition, PSG College of Technology.

Extracurricular Activities

- **Smart India Hackathon:** Proposed a flexible dashboard system for educational institutions featuring dynamic NIRF/NBA analytics and participated in **Ideathon.**
- **Students' Union – Events Team Core Member:** Coordinated and hosted 2+ flagship campus events, actively involved in planning and execution.
- **IEEE Student Chapter:** Hosted a paper presentation event and currently part of the web development team supporting chapter initiatives.
- Presented a paper on **Quantum Computing in Cybersecurity** at CIT.
- **Workshop:** Attended "Quantum Computing with IBM Qiskit," organized by IETE and the Department of ECE, PSG Tech.

Certifications

- **Python 100 Days of Code Bootcamp** – Completed through Udemy
- **Learning HTML, CSS, and JavaScript** – Completed through Udemy