

ALFIYA SIMRAN

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github.com/Alfiya-Simran portfolio-alfiyasimran.vercel.app

SKILLS

Programming: Python, Java, JavaScript

Frontend: React.js, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Framer Motion

Backend: Node.js, Express.js, RESTful APIs, Firebase, API Integration

Database: SQL, MySQL, SQLite, Firebase Firestore, MongoDB (basic)

Core: OOPS, DBMS, CN

PROJECTS

Brain Bloom (Academic Project)

GitHub

Python, Deep Learning, MobileNetV2, Tkinter, SQLite

- Contributed to an interactive cognitive retraining tool for children with developmental disabilities using Python and Tkinter GUI
- Collaborated on implementing MobileNetV2-based CNN for image classification and integrated SQLite database to track performance
- Assisted in designing gamified modules for visual memory, sequencing, and language comprehension to provide personalized learning feedback

InvestNest

GitHub

React, Vite, Tailwind, Firebase

- Built a modern startup investment platform with Firebase Authentication and Firestore
- Implemented responsive UI using Framer Motion with real-time data handling
- Enhanced user engagement through scalable frontend architecture

Brain Tumor Classification System

GitHub

Python, Deep Learning, CNN

- Developed a deep learning model to classify brain MRI images into tumor categories
- Improved diagnostic accuracy using optimized preprocessing pipelines and CNN architecture

Speech-Controlled Mini PC Assistant

GitHub

Python, SpeechRecognition, PyAudio

- Engineered a voice-controlled desktop assistant to execute system-level commands
- Achieved 90% voice recognition accuracy across 10+ tested commands

Shopper Spectrum

GitHub

Python, Machine Learning, Pandas, Scikit-learn

- Built a customer segmentation system using unsupervised learning to analyze shopping behavior
- Performed data cleaning, feature engineering, and K-Means clustering for pattern discovery
- Generated actionable insights to help improve targeted marketing and customer retention

INTERNSHIP

Full Stack Development Intern

Present

TAP Academy

- Developing full-stack applications using HTML, CSS, JavaScript, React
- Strengthening problem-solving skills through hands-on coding, DSA practice, and real-world tasks
- Working on database integration and RESTful API concepts under guided mentorship

EDUCATION

B.Tech in Information Science Engineering

2022 – 2026

Presidency University, India

12th PCMB

2020 – 2022

St. Joseph's Convent Girls Composite PU College, India