SHREY SINGH

 github.com/9shrey | in linkedin.com/9shrey | 🌐 9shrey.github.io/PortfolioWebsite |

✉ 9shrey@gmail.com | 📱 +91 7406631225

TECHNICAL SKILLS

Programming Languages	**Proficient:** C, C++, HTML, Python, SQL.
	Familiar: Java, CSS, Javascript, Flutter.
Software	Github, AutoCAD, Microsoft Excel, Visual Studio Code.
Libraries and Frameworks	Pandas, Matplotlib, Scikit-learn, NumPy, Seaborn, OpenCV, Pillow, MediaPipe, Tkinter, TensorFlow.

PROJECTS

Fearless: Social Media App to Get Over Your Fears (2024)
Tech Stack: Flutter, Firebase, JavaScript, HTML, CSS
- Sends daily challenges at 00:00 hours using a time-based job scheduler and local push notifications.
- Allows recording and posting videos under 1 minute, compresses to MP4 with AAC, VP8/VP9, and h264.
- Backend: Cloud storage for videos, User DB (user ID, username, email), Posts DB (post ID, video link, likes, comments).
- Designed a landing page with 51 pre-registered users.

Personalised Quote Generator (2023)
Tech Stack: Python, Flask, Hugging Face Transformers, TensorFlow, HTML, CSS
- Created a virtual assistant using natural language processing (NLP) to generate personalized philosophical quotes.
- Implemented a Flask backend to handle user inputs, process them using GPT2 model, and generate personalized quotes.
- Designed a user-friendly interface with HTML/CSS for inputting problems and displaying personalized solution quotes.

Automated Document Scanner (2024)
Tech Stack: Python, Flask, OpenCV, HTML, CSS, JavaScript, AWS
- Developed a web application to automate document scanning and digitization processes.
- Implemented document detection, edge detection, and perspective transformation using OpenCV.
- Created a user-friendly interface with HTML, CSS, and JavaScript for easy file uploads and displaying processed images.
- Utilized Flask to manage backend logic for image processing and transformations.
- Deployed the application on AWS at for scalability.

EXPERIENCE

Research Assistant   October 2023 - July 2024
- Developed a cost-effective gait analysis solution for initial assessments of mobility issues in rural areas.
- Designed and implemented a user-friendly interface using Tkinter.
- Integrated real-time video processing with OpenCV and pose detection with MediaPipe.

ISTE Management Committee   August 2023 - June 2024
- Organized a multi-day tech fest, AURORA, at our college.
- Featured Mr. Dale Vaz, Former CTO at Swiggy, and Director at Amazon, as the guest speaker.
- Hosted multiple workshops attended by hundreds of students, covering various industry trends.

EDUCATION

2022 - 2026	B.Tech at **Manipal Institute of Technology**	**CGPA: 8.18/10.0**
2022	Class XII Board Exam **CBSE**	**91.2 %**
2020	Class X Board Exam **CBSE**	**93.4 %**

COURSE WORK

Computer Science	Data Structures and Algorithms*, Database Management Systems*, Object Oriented Programming*, Operating Systems
AI and ML	Introduction to Data Analysis, Artificial Intelligence*
Mathematics	Linear Algebra and Logic, Probability And Optimization

(* courses with laboratory component)

OTHER

Leadership Roles:	Class Representative for 3rd and 4th Semester.
Technical Achievements	Proficient with five stars in C, C++ and Python on HackerRank. Competetive Rating of 723 on CodeForces. Achieved top 30 at the M# Manipal Hackathon (170+ teams).
Soft Skills	Problem solving, Team Management, Conflict Resolution.