Suraj Kareppagol

Email | Github | Portfolio | +91 8088346618

Skills

– **Programming languages:** C, C++, Python, Javascript, TypeScript, Rust

– **Libraries/Frameworks:** React, ExpressJS, VueJS, NodeJS

– **Tools/Platforms:** Linux, VS Code, Git

– **Databases:** PostgreSQL, MongoDB

Projects

HGR Link | GitHub
Designed and implemented cross-platform API for hand gesture recognition using MediaPipe.
Tools used: Python, MediaPipe, OpenCV, Git

CREPL Link | GitHub
Developed CREPL, a Python-based REPL program for C language execution.
Tools used: C, Python, Rich, Git

Libefile Link | GitHub
Developed a C Library for file manipulation, providing abstract functions to simplify working with files.
Tools used: C, Make, Git

AURPy Link | GitHub
Created an Arch AUR Helper with Python, integrating Aurweb RPC interface. Enables package installation from AUR and facilitates package searches.
Tools used: Python, Rich, Git

AniASCII Link | GitHub
Implemented a C Program for animating ASCII arts, offering a variety of animations.
Tools used: C, Make, Git

CreateTT Link | GitHub
Developed a Python TUI time table builder using the rich module for enhanced visuals and a modular design.
Tools used: Python, Rich, Git

Beginning End Sort Link | GitHub
Developed a sorting algorithm with $O(n^2)$ time complexity, inspired by Quick Sort and Selection Sort.
Tools used: C, Git

XML To JSON Parser Link | GitHub
Created a Python script to convert XML to JSON, forming a collection of parsers.
Tools used: Python, XML, JSON, Git

File Sharer Link | GitHub
Engineered a simple CRUD based File and Message sharing web application.
Tools used: HTML, CSS, SCSS, JavaScript, NodeJS, ExpressJS, Pug, MongoDB, Git

Numerical Methods Link | GitHub
Implemented mathematical numerical methods in C Language.
Tools used: C, Git

Tic Tac Toe Link | GitHub
Developed a classic Tic Tac Toe game with a minimal and beautiful UI, offering both Light and Dark themes.
Tools used: HTML, CSS, SCSS, JavaScript, Git

Academics

Computer Organization, Data structures, Algorithms, Operating Systems, Database System, Computer Graphics, Computer Networks, Cryptography, Artificial Intelligence and Machine Learning, Automata Theory, Compiler Design

Experience

4G5G Consultants — Software Engineering Intern   Karnataka — June 2023 - November 2023

- Internship at 4G5G Consultants, a Wireless Technology company.

- Tested and optimized RAN configurations, contributing to enhanced network performance.

- Gained proficiency in Linux, CLI tools, Version Control Systems, and cloud technologies.

Education

Jain College Of Engineering, Belagavi, Karnataka   July 2020 - July 2024
Computer Science And Engineering (B.E)   CGPA: 9.28

Certificates

– Python - Hackerrank

– CSS - Hackerrank