

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

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
Computer Science And Engineering (B.E)

July 2020 - July 2024
CGPA: 9.28

Certificates

- Python - Hackerrank
- CSS - Hackerrank