Atharva Raykar

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ABOUT ME

I am a curious learner and an aspiring generalist, always looking to solve interesting problems. I love the satisfying feeling of developing layers of abstractions that piece together to solve real-world problems.

EDUCATION

2022   BTech in COMPUTER SCIENCE AND ENGINEERING, **PES University**, RR Campus
         GPA: 8.98

PROJECTS

Loosie | A file sharing service built on a continuations-based web server.
Deployed on **Heroku** using **PostgreSQL** as the data store, encrypted with AES. Provides passphrase protection of files for private sharing. A beautiful and minimal frontend based on Skeleton CSS.

AlgoJourney | Platform for visualizing CS Algorithms
Made as a final project for the Web Technologies course. Implemented the visualizers using the JSAV library.

Pawgram | Esoteric Programming Language inspired by Brainf_
Used sophisticated **hygienic macros** of Racket to create a turing complete language consisting of dog sounds. Created with functional programming patterns and a **parser generator**. Admittedly not a real world problem, but a blast to make.

Other Projects | Smaller in scope
shesellcshellonthecsure: A minimal shell written in C
esviji: Minimalist SVG generation library written in C
charpic: Terminal program that converts images to ASCII art, made using Racket

SKILLS

TECHNICAL SKILLS:	OO and Functional Program Design, Web Technologies, Testing and Deployment, Open Source development
LANGUAGES:	Python, C, Racket, Rust, Go, Javascript, C++, Shell
TECHNOLOGIES:	Git, PostgreSQL, pandas, Flask
CORE SKILLS:	Leadership and Community Building

Re-established the **PES Open Source community**, and saw through various student projects, events and community activities to bring back a culture of knowledge sharing in student developer communities. I was the first in Bangalore to complete the **GitHub Campus Expert Program**, where I learnt to nurture and develop communities.

Communication

Conducted various workshops and meetups to promote open source development to large audiences

SCHOLARSHIPS

Twice awarded the Prof. MRD Merit Scholarship for being in the **top 20%** of the batch.