

# SURAJ YERKAL

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📍 Pune, India



## EDUCATION

B. Tech. Computer Engineering  
**College of Engineering Pune (COEP)**

📅 07/2019 - 07/2023 📍 Pune, India

GPA

8.8 / 10

## PROJECTS

**Arclight : Text Editor - Data Structures** 🔗

📅 03/2021 - 04/2021

A command line Text Editor implemented using gap buffer data structure. It uses Ncurses library for UI.

- Specially designed for handling large size files, even bigger than RAM size.
- Supports all basic text editor features along with syntax highlighting and codebase feature.

**ThreadLib : Multi-Threading Library** 🔗

📅 04/2022 - 05/2022

- Multithreading library with three types of mapping models: One-One, Many-One and Many-Many.
- It is available for Unix-like POSIX conformant operating systems

**Locatesy - Web Development (MERN Stack)** 🔗

📅 01/2022 - 04/2022

Locatesy is online property management system. It provides easy solution to buy, sell or rent properties

- It is integrated with MapMyIndia and Razorpay APIs.
- It supports JWT authentication.

**WebtiQ : HTTP-Server - Computer Networks** 🔗

📅 10/2021 - 11/2021

HTTP/1.1 multi-threaded server to handle common web requests. Project follows RFC 2616 standards.

- Handled basic HTTP methods, logging, cookies, different media types, multi-part data, persistent connection, automated testing, etc.

**Traffic Management using Signal Synchronization** 🔗

📅 08/2020 - 11/2020

Simulation for efficient traffic management system. Implemented in python language with pygame as GUI.

- It measures density of vehicles on each signal.
- It dynamically changes signal time of nearby signals to limit traffic coming from their ends and collectively gives better results.

## CERTIFICATION



The complete Web Development Bootcamp, Udemy 🔗

## SKILLS

C

C++

Python

PHP

Mongodb

React.JS

Node.JS

Problem Solving

DBMS

Git

## EXPERIENCE

**Summer Intern**

**Nuance Communications**

📅 05/2022 - Ongoing 📍 Pune, India

- Developed automated datapack deployment pipeline.
- Worked on automation of Nagios server migration using ansible and ARM.

**Communications Subsystem Member**

**COEP Satellite Initiative (CSAT)**

📅 01/2020 - Ongoing 📍 Pune, India

- Written code for RTC module which maintains and provides 32-bit timestamp to communications subsystem.
- Designed and implemented filesystem to store and retrieve data efficiently.

## EXTRA CURRICULAR

**Personality Development Club**

Attending workshops and training sessions by various experts from the professional world.

**COEP Yoga Club**

Yoga club arranges various activities and events like yoga and surya namaskar sessions

## CODING PROFILES

**Github** 🔗 | **Leetcode** 🔗 | **GFG Practice** 🔗

## LANGUAGES

English, Marathi, Hindi