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github.com/G0uth4m

## SKILLS

C/C++

Python

PHP

SQL

PostgreSQL

MongoDB

OOPS

Docker

Redis

AWS

Pentesting

Linux

Web Development

## LANGUAGES

English

Full Professional Proficiency

Kannada

Native

## INTERESTS

Software Development

Game Development

Cybersecurity

Machine Learning

Cloud Computing

# Goutham R

## Computer Science Undergrad

Passionate pro-active programmer. Strong foundation in Data Structures and Algorithms. Keen interest towards Network Security/ Cyber Security. Building security tools and solving CTF challenges is fun. Skilled in C++, Python and Linux.

## EDUCATION

### B.Tech Computer Science Engineering PES University - Bengaluru, India

08/2017 - Present

CGPA - 8.8

### Pre-University

Vidya Mandir Pre-University College - Bengaluru, India

06/2015 - 04/2017

Score - 93.8%

## WORK EXPERIENCE

### Backend Developer Intern Fluxgen Engineering Technologies

07/2020 - 09/2020

Bengaluru, India

A startup company based in Bengaluru that is keen in developing engineering technologies for energy systems.

Achievements/Tasks

- Worked on a Notification system design project.
- Learnt new technologies like Redis and Pywebpush. Learnt to write scalable code.
- Was able to cut down the dependency of the company on Amazon's Simple Notification Service.

## PERSONAL PROJECTS

### Rideshare - DBaaS

- Built a scalable and highly available database as a service model for the Rideshare application using technologies like Flask, MongoDB, Docker, Rabbitmq and Zookeeper.
- The Rideshare application consists of 2 microservices - users and rides to manage users and rides created or joined by users.

### Cryptographic library in C

- Wrote a small library consisting of cryptographic algorithms like RSA, MD5 and Morse code.

### Restaurant Management System

- A web application built using PostgreSQL and PHP for managing the workflow of a restaurant.

### Classification of stellar objects

- Built a random forest classifier from scratch which could predict which class the object belongs to with 91% accuracy and a decent precision.

### Kannada Learning app

- A minimal application to learn common kannada words and phrases with voice assistance.

### Malware development

- Wrote a simple malware for windows which can bypass antivirus applications like Windows Defender and create an encrypted tunnel between the infected system and the C2 server.

### SSH Botnet

- A python tool built to help network administrators to control SSH servers on the network and simplify mass administration.

### XSSploit

- A python tool for automating detection of XSS vulnerabilities in a website and finding appropriate exploits.

## ACHIEVEMENTS

Secured a rank of 431 in KCET.

Received Prof. MRD scholarship in college for being in the top 5% during 5th Semester.