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.

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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

EDUCATION

B.Tech Computer Science Engineering
PES University

08/2017 - Present   *CGPA - 8.8*

Pre-University
Vidya Mandir Pre-University College

06/2015 - 04/2017   *Score - 93.8%*

WORK EXPERIENCE

Backend Developer
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 manages users and rides created or joined by users.

Cryptographic library in C
- Wrote a small library consisting of cryptographic algorithms like RSA, SHA-256, 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 with 91% accuracy and a decent precision.

Miwok - Kannada Learning app
- A minimal application to learn common kannada words and phrases with voice assistance.

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.

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.

ACHIEVEMENTS

Secured a rank of 431 in KCET

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