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Prajwal A



## EDUCATION

### B.E Computer Science and Engineering

Ramaiah Institute of Technology (RIT)

CGPA(9.22/10)

Aug '22

Bangalore

### 2nd PUC

Vision PU College

Percentage 92.5%

May '18

Bangalore

## PROJECTS

#### • Plasma Donor Finder

Developed and maintained a Plasma Donor Finder application to help connect plasma donors with those in need ,This is a simple website where users can create account and profile . Anyone can search for plasma donors who are willing to donate they can contact them using details provided inside website. Languages( Html CSS NodeJs and mongodb ).

#### • Tourism Reviews

Authored tourism reviews for various destinations and attractions React App where users can add reviews and read reviews posted by Others. Technologies used React , Node JS , Express , MongoDB , Docker , Heroku etc

#### • Vulnerability Scanner tool

Created a Vulnerability Scanner tool to identify and address potential security risks ,Created a website for testing with vulnerabilities and A python script which crawls over entire website and checks for OWASP top 10 vulnerabilities using different payloads and scripts and finally generate report.

#### • Development of hybrid heuristic algorithm for complex optimization problems in high dimensional data clustering

Developed hybrid heuristic algorithm to cluster high-dimensional data for complex optimization problems, Developed a new hybrid Algorithm with a combination of 3 nature based meta heuristic algorithms Artificial Bee Colony Algorithm(ABC), Differential Evolution and Whale optimization Algorithm(WOA), and future tested with objective functions and results are compared with existing algorithm's

## COURSES

- An Introduction to C++ (NPTEL)
- Programming Data structures and Algorithms using python (NPTEL)
- Ethical Hacking Course (Internshala)
- Learn Ethical Hacking from Scratch (Udemy)
- Network Hacking continued Intermediate to Advanced (Udemy)
- Advanced kali linux (Linked)
- Cert Prep: CompTIA Linux+ (Linkedin)
- Application Security and Vulnerability Assessment course (CySeck)
- Certified Ethical Hacker Certification (EC-Council)

## TECHNICAL SKILLS

- **Languages:** Python, Core Java, Nodejs, HTML, CSS, JavaScript , C , C++ , PHP , Golang , Bash
- **OS:** Windows, Linux (Kali linux, Mint, Ubuntu, Parrot) , Mac Os
- **Database:** MySQL, MongoDB , Postgres , Elastic Cache , Redis
- **AWS:** Cloudwatch , EC2 , VPC , Step Functions , SNS , Lambda , RDS , Route 53 , S3 , EKS

- **Others:** Nginx , Haproxy , Docker, Jenkins , RabbitMq , Burpsuite , Metasploit , Nmap , Nessus , SqlMap , etc
- **Skills :** Website Development , scripting tools , Solving CTF challenges

## EXPERIENCE

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### VAPT Intern , NCIIPC (National Critical Information Infrastructure Protection Centre)

July 2021 - Oct 2021

- Conducted VAPT on government Aviation Industry websites, Finance Industry websites, and Power Industry websites
- Utilized various techniques and tools such as vulnerability scanning, penetration testing, and risk assessment to perform Vulnerability Assessment and Penetration Testing (VAPT) on diverse IT infrastructure and networks.
- Generated detailed reports on vulnerabilities and penetration testing results

**Skills:** Shodan , Burp Suite , Nikto , Dirbuster , Nmap , SQLMap, ZAP proxy ,Netcat etc .

### QA Engineer Intern , Eltropy

Jan 2022 - Jun 2022

- Worked on automation framework using Page Object Model (POM) and Behavior Driven Development (BDD) approach.
- Utilized automation framework to access and verify remote data from MongoDB, Redis, and Postgres databases using ssh
- Identified bugs on Jira every week and communicated with production team before major releases
- Assisted in the successful migration of the company's product from Grails to GoLang, while ensuring seamless application performance monitoring.

**Skills:** Java · Manual Testing · Automation Testing · Jira · REST APIs

### SDET-1 , Eltropy

Jul 2022 - July 2023

- Utilized Jira to identify and report bugs on a monthly basis to the production team prior to major releases and Participated in product deployment meetings.
- Developed and maintained Test Automation scripts in Selenium using Java, based on the Page Object Model design principles.
- Played a pivotal role in writing deployment scripts, configuring Jenkins for deployments, and managing all the configuration setup within the QA server's infrastructure.
- Actively involved in analyzing quarterly VAPT (Vulnerability Assessment and Penetration Testing) reports and providing valuable suggestions and solutions to address the identified issues.

**Skills:** Manual Testing · Jira · REST APIs · Jenkins · Golang · Haproxy · Nginx · Redis · Postgres · Mongo · RabbitMQ · Cron Jobs · Filebeat · EC2 · ELB · RDS · Route 53 · Elastic Cache · Kibana · Sentry · Golang · Postman · BurpSuite · Elastic Search

### DevOps Engineer , Eltropy

Aug 2023 - present

- Developed a resilient Continuous Integration (CI) pipeline with Jenkins and GitHub Actions for multiple repo's to automate code integration, ensuring a streamlined and error-free collaborative development process.
- Implemented an efficient Continuous Deployment (CD) process utilizing DeploymentApp (golang) and GitHub Actions, facilitating seamless and reliable code deployment to production environments.
- Actively participated in monthly deployment configuration change meetings, contributing valuable insights and expertise to enhance the efficiency and reliability of the deployment process within the CI/CD pipeline.
- Implemented recurring alarms using CloudWatch, orchestrated seamlessly with Step Functions, SNS, and Lambda. This enhanced system monitoring, enabling proactive responses to critical events in the cloud infrastructure.
- Successfully lowered AWS costs from \$110k to about \$75k, cutting expenses by nearly 31% through effective optimization techniques.

**Skills:** Jenkins · AWS Services like (Cloudwatch , EC2 , Step Functions , SNS , Lambda , RDS , Route 53 , S3 , EKS , Route53 )

## WORKSHOPS

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- Attended '**ALICE AND BOB IN CRYPTOLAND Engineers in Cyber Security**' workshop conducted by IEEE RIT .  
Gained exposure to the latest best practices in the world of Cryptography .
- Attended '**Cyber Security and Ethical Hacking**' workshop conducted by Regex Software services.  
Gained exposure to the latest technology in Cyber Security.

## AWARDS AND ACHIEVEMENTS

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- Secured 6th place in the 'Grand Challenge of March for Secure code' CTF competition organized by CySeck.
- Top 1% Rank in TryHackme, a popular online platform for learning and practicing cybersecurity skills and techniques.
- Consistently ranked in the top 10 in CEH global challenges since December 2022.
- Honored as the Star of the Month in Etropy for October 2023.

## LANGUAGES

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English , Kannada, Telugu