



Ajay Ratnam

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Projects

Type Rush

An Application to Improve the Users Typing Speed in a Fun and Interactive Way

Marstuff

A Python API Wrapper for NASA's Mars Rover Photos API which provides both Synchronous and Asynchronous support.

Pirated Pixels

A unique CTF platform designed to work only through SSH

Education

Higher Secondary Exam

Sri Chaitanya PU College

Score: 88.6% (443/500)

July 2022, Marathahalli

SSLC Exam

Sri Chaitanya Techno School

Score: 88.6% (443/500)

July 2020, Horamavu

Engineering B.Tech

Amrita Vishwa Vidyapeetham

Computer Science - CGPA: 8.85

September 2022 - Present Bangalore

Achievements

- Secured 3rd position in **ShunyaCTF** Finals conducted by **MIT ADT University**
- Won **Most Innovative** award in **IEEE AI Hackathon**
- Cleared **PRMO** and attended a 7-day specialized workshop in **Vijayawada**
- Achieved **2nd place** in **Hata Code Jam 2020** organized by **Tortoise Community**, received prize and three months of premium **VPS**
- Placed **top 10%** in centre KAJN034 in **NSEJS** exam conducted by **IAPT**

Quick learner with strong proficiency in Python and a solid foundation in cybersecurity.

Skills & Expertise

- Core Python & Related Libraries
- HTML, CSS, JS & Bootstrap
- RAG, LangChain, Git, Docker
- MongoDB, Firebase, PostgreSQL
- Linux - Binary Exploitation (ghidra, radare2, pwntools, gdb, metasploit)

Position of Responsibility

President - CodeChef ASEB

September 2023 - August 2024

Domain Lead - Binary Exploitation @ bi0sblr

March 2023 - Present

Certifications

- Cybersecurity & Digital Forensics - **MSME**
- Google Cloud Computing Foundations - **Google Study Jams (GDSC)**

Trainings & Workshops

- Bangalore Tech Summit - 2023
- Cybersecurity workshop - **bi0s meetups**
- Sustainability in the Cloud DevOps - **Green Computing TAG Amrita**

Publications

Dynamic Chord Identification using Finite State Machines

Submitted to **IEEE GCAT 2024**