





Manu Gupta

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WORK EXPERIENCE

COUTURE.AI | MLOPS ENGINEER

May, 2023 - Present | Bangalore, India

PLATFORM DEPLOYMENT OPTIMIZATION | Python3, HCL, Docker, Kubernetes

- Automated the deployment of CAI Platform in customer environment, enabling seamless deployment of the entire system on Kubernetes and Docker. This significantly reduced the deployment time by 2 hours.

TELEMETRY AND COSTING METRICS | Prometheus, Opencost, Grafana, Kiali, Helm

- Developed custom prometheus exporter and REST APIs to compute KPIs (Key Performance Indicators) and Costing Metrics at both project and business unit levels.
- Created custom metric charts utilizing tools such as Kiali, Prometheus, Grafana, Opencost, etc.

INFOSYS | SYSTEM ENGINEER

August, 2019 - January, 2021 | Bangalore, India

LEADERSHIP AND PROJECT MANAGEMENT | Angular, Python3, Nia Bot

- Led a team for a developer-oriented dashboard creation, featuring gamification elements, course suggestions, and a task tracker.

CHATBOTS AND AUTOMATIONS | Bot Framework, UI Path

- Developed a Microsoft Teams bot application integrating various Azure Cloud/DevOps functionalities using the Microsoft Bot Framework.
- Implemented Robotic Process Automation (RPA) using UI Path to streamline and automate key processes.

INFOSYS (INTERN) | SYSTEM ENGINEER TRAINEE

February 2019 - May 2019 | Mysuru, Karnataka

- Built Tax Payment system with Angular6. Capabilities include Image processing to pre-fill info, Chat bot for website navigation etc.

PROJECTS

CRYPTO LIBRARY | PYTHON

- Developed our own crypto library including encryption/decryption, hashing algorithms using both symmetric and asymmetric techniques.
- Pseudo Random Function using PRG and creating CPA secure schemes.
- Built MAC, Hash, HMAC algorithms for CCA secure communication.

BACKDOOR SYSTEM | PYTHON, PYGAME

- A backdoor coded in python, embedded into a small custom video game.
- As the game runs on victim's machine, program branches out, connects to attacker's system, giving them full access. (Works on Latest OS)
- Attacker can download, send, delete and read any file.

P2P FILE SHARING | C++, LINUX, SOCKETS

- P2P file sharing system, supports User Auth, Groups, Status Checks etc.
- A tracker maintains the complete state of the connected peers, connected clients can continuously upload/download data.

VIDEO GAMES | PYTHON, C#, UNITY 5

- VR Bowling game in Unity with persistent scoreboards.
- Tactical projectile Shooter; Tanks and Snakie (Pygame).
- Space Run: 2D endless runner and platformer (Unity).

EDUCATION

IIIT HYDERABAD

MASTER'S IN COMPUTER SCIENCE AND INFORMATION SECURITY

CGPA: 8.9 / 10 | August 2021 - May 2023

GALGOTIAS UNIVERSITY

BACHELOR'S IN COMPUTER SCIENCE AND ENGINEERING

CGPA: 9.05 / 10 | September 2015 - July 2019

MODEL SCHOOL

CLASS XII

Percentage: 89.8% | March 2013 - March 2015

CLASS X

CGPA: 9.2 / 10 | March 2011 - March 2013

AWARDS

• BEST ROOKIE AWARD

Infosys, September'2020 | Bangalore, India

• INSTA AWARD

Infosys Quality, June'2020 | Bangalore, India

• 5TH RANK, SIH'17

Smart India Hackathon 2017 | Chandigarh, India

SKILLS

PROGRAMMING

Experienced:

• Cpp • Python 3.x

Familiar:

• Shell • C# • Java

LIBRARIES/Frameworks

• Angular • SQL Server

TOOLS/PLATFORMS

• k8s • Git • UI Path
• Docker • Unity 5

INTERESTS AND COURSES

INTERESTS

• Reading Novels • Cars • Football

COURSES

• Data Structures and Algos • Computer Networks • Software n Network Security • Operating Systems • Data Systems