# Distributed Processing with ChipNet

By
Surisetti Madhu Vamsi (205222022)

Guide
Dr. S. Saroja

# Overview

## What is ChipNet?

### Phase 1

➔ Buying computational power
➔ On computers without a public IP

### Phase 2

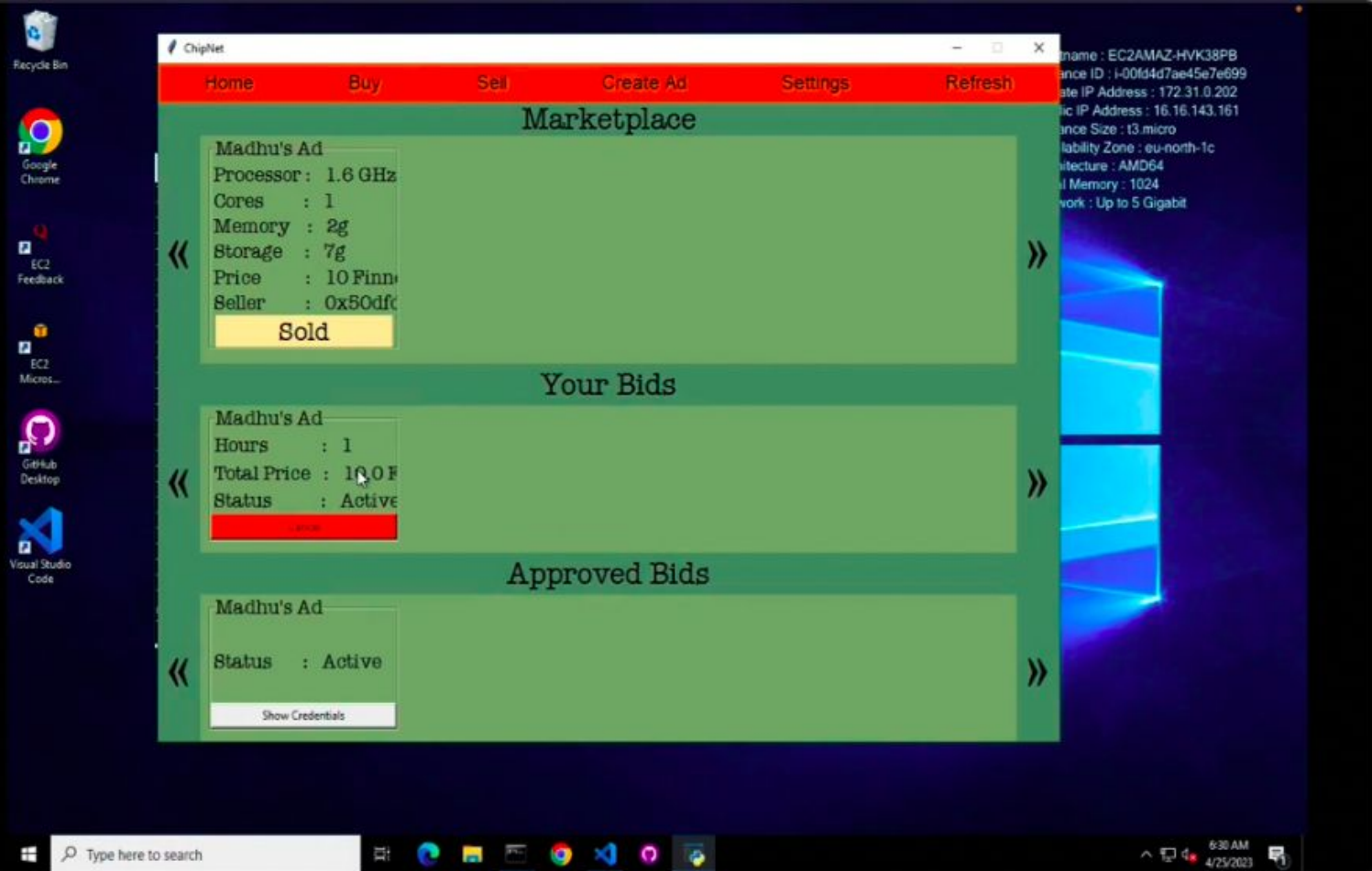➔ Running distributed applications on top of ChipNet

*Figure 1: User Interface*

*Figure 2: Seeing Your Accepted Bids*

# Modules

➔ Docker configuration

➔ Container Orchestration

➔ VPN server setup

➔ Key exchange setup

# Module 1

**<u>Docker</u>**

➔ Remove ngrok
➔ Make connection to VPN

———

# Module 2

## Container Orchestration

➔ Add it to container pool
➔ Cluster management
➔ Tracking

# Module 3

**VPN server setup**

➔ Choose an open source VPN

➔ Install on Server

➔ Let users set up their own

# Module 4

**Key exchange**

➜   Generate keys for containers
➜   Exchange keys
➜   Connect

# Thank You