CHEBROLU SAI PRANEETH

8309571609 c.saipraneeth888@gmail.com

Qt No.4010 Type-4 O.D.F Medak,Hyderabad, 502205

EDUCATION

- **Vellore Institute Of Technology, Vellore**   **2016 - 2020**
  Undergraduate   8.13/10
  Mechanical with Specialization in Automotive Engineering
- **Narayana Junior College, Madhapur, Hyderabad**   **2014 - 2016**
  Senior Secondary   88.6%
- **Kendriya Vidyalaya, Hyderabad**   **2014**
  Secondary   8.4/10

TECHNICAL STRENGTHS

- **PROGRAMMING / SCRIPTING**   PYTHON, NODEJS, C, MYSQL, DOCKER, HTML
- **FRAMEWORKS AND TOOLS**   Flask, FastAPI, Express, Selenium(Python), CSS, Solidworks

WORK EXPERIENCE

SDE: HYPERVERGE, Bangalore   June 20 - Present

- HyperVerge is a lead document verification SaaS product.
- Worked on latest technologies - nodejs, python, docker, redis.
- Improved overall throughput by 60% by splitting product into services, used nodejs async nature to parallelly make calls.
- Developed polling models for s3 instead of committing to git, this has reduced effort of engineering team significantly.
- Developed an end to end service from scratch to blacklist devices, which has been integrated to the main product.
- Contributed and gained expertise in developing various components of document verification service, which analyzes and retrieves data. Built it from initial stages from defining the requirements to completion of deployment.
- Designed and developed end-to-end fully functional service which categorizes ID cards based on their quality into different buckets. Focused on various service aspects like scale and configurable design.

Internship: HYPERVERGE, Bangalore   Dec 19 - June 20

- Implemented an API to avoid data theft, by encrypting customer data to transfer them through various geographies, which is decrypted on the receivers' side
- Developed a complete feature to mask user identification number, in national cards of various geographies. This has been made regional agnostic which generically solves the problem.
- Dockerised application which made deployment easy.
- Built an API which validates the user inputs with the data from the user uploaded ID card, this has been generalized to handle different kinds of information in the ID card. This helps customers avoid entering incorrect data.
- Developed billing feature from scratch, analyzed end to end product and pushed the required client data points to datastore which is further used to bill the customer.
- Received Pre-placement offer, post my internship.

Internship: In-Plant Trainee, Ordnance Factory June 2018

· Underwent a 4 week fully sponsored In-Plant Training Program.
· Designed model part using Solidworks.
· Gained experience working with CNC machines programmed using G-Code.

PROJECTS

Games Developed

· Created Snake, Pong, Bomber Man, Minesweeper games using Pygame(Python).
· Created endless-run game using unity in C-sharp.
· Coded multiplayer Shooting Game using UDP socket connection.
· `https://github.com/MrMadFox`.

Timing Attacks On RSA

· Analyzed how effective timing attacks can crack the key of RSA secured system.
· The analysis performed highlights the vulnerabilities of the RSA algorithm.

Automatically Calling An Ambulance Service

· Created a service which calls an ambulance in the event of an accident. Used Raspberry Pi, which retrieves the coordinates of the vehicle location and passes it to the server.
· Google Place API is used to retrieve the phone numbers of the ambulance services near to the accident location.
· Used SMS-Gatewayhub to message the coordinates of the accident location to the ambulance service providers, thereby bypassing the need for a phone call.

Hosted A Site - Checkmeter

· Hosted a site using Flask. A custom link will be generated per user after signing up on this website. This link can be further forwarded to friends, in which they can enter data which is thereafter visible to the user.

Student Attendance Management System

· Backend: Node.js.
· Frontend: HTML, CSS, Javascript.
· Created a website to manage attendence of students and perform operations.

ACHIEVEMENTS

· 4 star rated in codechef `https://www.codechef.com/users/mrfox007`.
· Recipient of Scholarship for meritorious performance in VITEEE-2016.
· Secured the first place in a chess tournament in three consecutive academic years (2012-14) wherein 300 people take part in the event every year.

RELEVANT COURSES AND CERTIFICATES

· Problem Solving and Programming in Python .
· Probability and Statistics.
· Cyber Security.
· Data Structures and Algorithms.