

# CHEBROLU SAI PRANEETH

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## EDUCATION

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- **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

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

## WORK EXPERIENCE

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**SDE : HYPERVERGE, Bangalore** Dec 19 - Present

- HyperVerge is a lead document verification SaaS product.
- Worked using 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, it has reduced effort of engineering team significant.
- 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 throughout its lifecycle, from defining the requirements and to completion of deployment.
- Rapidly prototyped and shipped features to the clients within the stipulated time frame.
- Designed and developed end-to-end fully functional product with focus on scalability and configurable design.

**Internship: In-Plant Trainee, Ordnance Factory** June 2018

- Underwent a 4 week fully sponsored In-Plant Training Program.

## PROJECTS

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### 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 A 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 (Python). 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 attendance of students and perform operations.

## **ACHIEVEMENTS**

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- 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**

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

## **LANGUAGES KNOWN**

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- English, Hindi, Telugu, Basic French.