

# Chandrupatla Sai Varun

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📁 [Portfolio.com/Sai-Varun-Chandrupatla](https://portfolio.com/Sai-Varun-Chandrupatla)

## 📄 Profile

**Full-Stack Python Developer** with hands-on experience in building **scalable web applications using Python, Django, HTML, CSS, JavaScript, and Angular**. Proficient in developing and integrating **Databases (MySQL, MongoDB)** and RESTful APIs. Adept at crafting responsive, user-focused interfaces and optimizing back-end performance. Committed to **continuous learning** and **delivering impactful digital solutions**.

## 🧠 Skills

### Programming Language :

- Python

### Libraries :

- NumPy
- Pandas
- Matplotlib

### DBMS :

- MySQL
- MongoDB

### Tools :

- Git & GitHub

### Familiarity :

- Front-end technologies
- Docker
- Power BI
- Angular

### Soft Skills

- Communication & Interpersonal Skills
- Time Management
- Team Collaboration

## 🌐 Languages

- English
- Telugu
- Hindi

## 🧩 Hobbies

- Reading Books
- Playing Cricket
- Cooking

## 🎓 Education

### **B.Tech (Bachelor of Technology) : Mechanical Engineering**

St. Martins Engineering College

2020 – 2023 | Kompally - Hyderabad, India

GPA: 6.56

### **Diploma : Diploma in Production Engineering (DPE)**

Central Institute of Tool Design

2016 – 2020 | Bala Nagar - Hyderabad, India

GPA: 60.0

### **Secondary School Certificate**

Unique High School

2015 – 2016 | I.D.P.L - Hyderabad, India

GPA: 7.8

## 🔧 Internship

### **Gautham IT Solutions**

October 2024 – March 2025 | Hyderabad, India

Intern, at Gautham IT Solutions as a Full Stack Python Developer, where I designed and developed full-stack web applications, implemented RESTful APIs for seamless front-end and back-end communication, and optimized databases for improved performance.

### **Nacre Software Services Pvt. Ltd**

June 2024 – September 2024 | Hyderabad, India

Intern, at Nacre Software Services Pvt.Ltd as a Python Data Analysis Worked on data analysis projects, leveraging Python libraries to process and analyze large datasets and Developed interactive dashboards.

## 📁 Technical Projects

### **AI Task Agent**

### **Technologies Used: Python, API, UV, Web UI**

- Built an AI-powered web automation agent that interprets natural language tasks and performs them via browser automation.
- Integrated Google Gemini 2.0 Flash via API to process user prompts and generate intelligent execution plans.
- Utilized Playwright for real-time control of browser actions like navigating, searching, and clicking.
- Developed a modular web-based UI to allow users to input tasks and view execution results interactively.
- Configured and managed virtual environments with uv and venv for dependency and environment isolation.
- Enabled repeatable deployment and execution via Command Prompt.

### **Portfolio**

### **Technologies Used: HTML, CSS, JavaScript**

- Created an interactive personal portfolio to showcase projects, technical skills, and achievements.
- Designed a responsive, user-friendly interface featuring a creative book-style page transition.
- Implemented smooth JavaScript-based animations and custom navigation for enhanced user experience.
- Integrated downloadable resume and project assets to improve recruiter engagement.
- Ensured a responsive and visually appealing design for seamless accessibility.

### **Super Contra**

### **Technologies Used: Python, Pygame, CSV**

- Built a 2D side-scrolling shooting game with Pygame, achieving smooth gameplay at 60 FPS.
- Simulated realistic game physics including gravity, collision detection, and AI-driven enemies.
- Designed multi-level environments with dynamic visuals, obstacles, and interactive elements.
- Integrated sound effects and background music for immersive player experience.
- Developed intuitive controls for character movement, shooting, and grenades.
- Created a scalable level progression system with increasing difficulty and AI complexity.
- Optimized game loop and rendering logic to minimize frame drops and improve performance across systems.
- Implemented game state management (pause, resume, game over) to enhance control and user experience.