

# Ratna Sai Peddireddy

(Full-stack Developer)

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## Professional Summary

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Motivated and detail-oriented aspiring Full Stack Python Developer seeking an entry-level opportunity to leverage skills in Python, Django, SQL, HTML, CSS, and JavaScript to contribute to innovative development teams while gaining valuable industry experience.

## Technical Skills

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- **Programming Languages:** Python (OOPs, Operators, File I/O, Exception Handling, Data types)
- **Web Technologies:** HTML, CSS, JavaScript
- **Frameworks:** Django (Django Models & ORM, Views and URL Routing, Templates, Forms & User Authentication, Admin Panel Customization & Database Migrations)
- **Databases:** SQL (Joins, GROUP BY, Subqueries, Views, Indexing, Normalization, CRUD)
- **Tools:** Oracle SQL Plus, MySQL Workbench, VS Code, Jupyter Notebook

## Education

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B.Tech in Engineering

Sri Vasavi Institute of Engineering and Technology

Sep 2022 - Apr 2025

CGPA: 7.81

Diploma

Sri Vasavi Institute of Engineering and

Jun 2019 - Jul 2022

Technology CGPA: 7.47

## Certifications

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- HTML, CSS, JavaScript - PySpiders
- Python and SQL - PySpiders
- SolidWorks - SkillDzire
- AutoCAD - SkillDzire

## Projects

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### Console-Based Shopping Cart Application (Skills: Python)

- Created a shopping cart with add/remove/view functionality.
- Handled user input and controlled real-time item management.
- Implemented input validation and exception handling.

## **Cloning of several webpages like Ola Cabs, Vsplash, Zomato etc.. Webpage (Skill: HTML, CSS)**

- Designed a static clone of the Ola Cabs homepage from scratch.

## **A Simple Banking System Using SQLite in Python (Skills: Python, Sqlite3, SQL (CRUD operations))**

- The project simulates real-world banking operations such as account creation, PIN generation, balance enquiry, withdrawal, deposit, and account-to-account transfers.
- It uses SQLite to store and manage account data including customer details, balance, PINs.
- A PIN-based validation is implemented before any transaction, adding a layer of security to protect customer data and prevent unauthorized access.

## **Django Bank Application (BOB) (Skills: Python, Django, Html, CSS, JavaScript, Bootstrap, Postgresql)**

- Developed a Django-based bank application managing user accounts and core banking operations.
- Implemented features for account creation, PIN generation, balance inquiry, withdrawals, deposits, and inter-account transfers.
- Integrated email functionality for transactional notifications and OTP verification for sensitive operations (e.g., PIN generation, transfers, account deletion).

## **A Dynamic News in a Click webpage (Skills: Python, Django, Sqlite3, HTML5, CSS3)**

- News content is stored in a Sqlite3 database and dynamically fetched and displayed on the webpage, ensuring updates are reflected in real time without modifying the front end.
- Admins or authors can add, update, or delete articles through a backend interface or CMS, and the latest news instantly appears on the live site.

## **Automatic Solar Grass Cutting Machine**

- Built a solar-powered robotic grass cutter.
- Utilized renewable energy and automation for efficient lawn maintenance.

## **Languages**

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- English (Fluent)
- Telugu (Native)
- Hindi (Conversational)

## **Hobbies & Interests**

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- Playing cricket
- Exploring new technologies