

# CHANDU KRISHNA N

PYTHON FULL STACK DEVELOPER

Django | React | REST APIs | PostgreSQL

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## PROFESSIONAL SUMMARY

Python Full Stack Developer skilled in building scalable web applications using Python, Django, and REST APIs. Experienced in backend development, database design with PostgreSQL and MySQL, and building responsive user interfaces using HTML, CSS, JavaScript, and Bootstrap. Familiar with React.js and React Native basics, Docker containerization, and integrating third-party services such as SMTP email services and Google Sheets API. Capable of deploying and maintaining applications on live servers while optimizing performance and technical SEO.

## KEY SKILLS

Full Stack Web Development | REST API Development | Database Design | Backend Development | Frontend Integration | Web Application Deployment | Application Maintenance | Performance Optimization | Technical SEO | Agile Development

## TECHNICAL SKILLS

### Programming Languages

Python | JavaScript

### Frontend Technologies

HTML5 | CSS3 | Bootstrap | Tailwind CSS | React.js (Basic)

### Backend Technologies

Django | Django REST Framework (DRF) | Flask | REST API Development

### Database Technologies

PostgreSQL | MySQL

### Development Tools

Git | Docker | Postman | PyTest | Robot Framework

### API & Integration Technologies

SMTP Email Integration | Google Sheets API

### Operating Systems

Linux | Windows

## PROJECT EXPERIENCE

### Tanva Designs – Interior Design Website

Business Portfolio Website | Web Application Development

**Technologies:** HTML5 | CSS3 | JavaScript | Responsive Web Design

Developed and deployed the official website for Tanva Designs, an interior design business, to showcase company services, completed projects, and enable potential clients to explore design portfolios and submit inquiries.

### Key Contributions

- Developed a responsive business website using HTML5, CSS3, and JavaScript to showcase company services and interior design portfolios.
- Created structured website sections including Home, About, Services, Project Gallery, and Contact for clear navigation.
- Designed a portfolio gallery layout to display interior design projects in an organized format.
- Implemented responsive design for compatibility across desktop, tablet, and mobile devices.
- Developed Contact and Quote forms integrated with SMTP email services and Google Sheets API to store customer inquiries and send automated notifications.
- Optimized website performance for fast loading and smooth navigation.
- Organized project code using modular HTML, CSS, and JavaScript structure for maintainability.

## Customer Data Management (CDM) | Backend Developer

**Technologies:** Python | Django | Django REST Framework | PostgreSQL | MySQL | REST APIs | HTML | CSS | Bootstrap

Developed a centralized backend system to collect, process, and manage large volumes of customer data from multiple sources. The platform enables secure data storage, efficient data retrieval, and supports business analytics and reporting operations.

### Key Contributions

- Developed backend services using Python and Django to process and manage 100K+ customer records efficiently.
- Designed and optimized PostgreSQL database schemas and indexes, improving query performance and reducing response time.
- Built RESTful APIs using Django REST Framework to enable secure data access and integration with other applications.
- Implemented data validation and business logic to ensure accuracy and consistency of customer information.
- Developed authentication and authorization modules to secure access to sensitive customer data.
- Automated backend testing using PyTest, improving code reliability and reducing production issues.
- Improved system scalability to support high-volume data processing and enterprise-level operations.

## Personal Developer Portfolio Website

**Technologies:** HTML5 | CSS3 | JavaScript | Tailwind CSS | React.js

Developed a personal developer portfolio website to showcase projects, technical skills, and professional background, enabling potential employers and clients to explore development work and contact information.

### Key Contributions

- Built a responsive portfolio website using React.js and Tailwind CSS with modern UI components.
- Created reusable React components for sections like About, Skills, Projects, and Contact.
- Implemented responsive design techniques to ensure compatibility across desktop, tablet, and mobile devices.
- Integrated project showcase sections with GitHub repository links and project descriptions to highlight development work.
- Implemented interactive UI using JavaScript and React state management for smooth navigation and dynamic content.
- Developed a contact form integrated with SMTP email service to send automated email notifications for user inquiries.
- Optimized styling and performance using Tailwind CSS utility classes for faster page loading and clean UI design.
- Deployed the portfolio website to a live hosting platform for public access and professional portfolio presentation.

## Product Catalogue Designer

**Technologies** - Python, Django, MySQL, HTML, CSS, Bootstrap

Developed a web-based Product Catalogue Designer platform that allows customers to explore products, pricing, and service offerings through an interactive interface while supporting efficient catalog management and billing workflows.

### Key Contributions

- Developed product catalog management features using Python and Django.
- Implemented bulk data processing using Excel and CSV files to support large-scale product updates efficiently.
- Built secure authentication and access control mechanisms to protect customer and billing data.
- Designed backend workflows supporting prepaid and postpaid billing models for flexible transactions.
- Automated testing using Robot Framework and PyTest to improve code quality and reduce manual testing effort.
- Optimized application performance to handle large product datasets and improve system responsiveness.

## ACHIEVEMENTS

- Participated in multiple technology hackathons, collaborating with teams to develop innovative software solutions and improve problem-solving skills.
- Actively practice coding and algorithm development, continuously improving programming proficiency in Python and web technologies.
- Completed freelance web development projects, delivering responsive websites and web applications within client deadlines.
- Gained exposure to real-world technologies through industrial visits and technical workshops, learning about modern software development practices and emerging technologies.
- Developed and deployed multiple business and portfolio websites, applying full-stack development concepts and production deployment practices.

## CERTIFICATIONS

SQL   intermediate   Hacker Rank	Jan 2026
Project Management Training   Simplilearn SkillUp	Dec 2024
PYTHON   Python 101 for Data Science   IBM Skill build	Sep 2024
Smart English Basics for professionals   Great Learn	Jul 2023
Web Development   Internship	Mar 2021 – May 2021

## EDUCATION

BACHELOR'S DEGREE   Information Technology   Saveetha Institute of Medical and technical Sciences, Chennai	2019 – 2023
INTERMEDIATE   Math's, Physics, Chemistry   Sri Chaitanya Jr College, Tirupati	2017 – 2019
SSC   Mathematics   Z P High School, Srirangarajapuram	2016 – 2017