

# TUTA JEEVITH SWARUP

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## Objective

Proficient in developing dynamic and responsive web applications using HTML, CSS, and JavaScript. Skilled in building robust backend systems using Python, Django, and Django REST Framework with clean, modular, and scalable code practices. Capable of designing RESTful APIs, managing database models, and integrating front-end interfaces with backend logic. Focused on writing efficient code, improving user experience, and continuously learning modern web development practices.

## Skills and interests

<b>Programming Languages</b>	<b>Python, Java, C</b>
<b>Frontend Technologies</b>	<b>HTML5, CSS3, JavaScript</b>
<b>Backend Frameworks</b>	<b>Django, Django REST Framework (DRF)</b>
<b>Tools &amp; Platforms</b>	<b>Git, PyCharm, VSCode</b>
<b>Soft Skills</b>	<b>Critical Thinking, Problem Solving, Teamwork</b>

## Education

- **Parul Institute of Engineering and Technology, Gujarat 2023-2027**  
*Bachelor of Engineering, Computer Science and Engineering.* CGPA: 7.67
- **Sri Chaitanya Junior College, Visakhapatnam 2021-2023**  
*Board of Intermediate Education, Andhra Pradesh.* Percentage: 96.1
- **ST Ann's Convent School 2020-2021**  
*India Certificate Secondary Education, Andhra Pradesh.* Percentage: 73.33

## Certifications

- Web Development Certificate
- Vadodara Hackathon 6.0
- Php Workshop Certificate

## Academic Projects

### Login and Signup System

- Built a secure user authentication system with validation for both username and password.
- Implemented password encryption using SHA-256 and stored credentials safely in JSON format.
- Included password reset and account management features ensuring data protection.
- Developed and tested the application using PyCharm.

### Bank Management System

- Designed a mini banking system demonstrating Object-Oriented Programming concepts.
- Added core functionalities such as deposit, withdrawal, balance enquiry, and transaction history.
- Implemented MPIN verification for secure access and integrated fixed deposit interest calculation.
- Developed and executed the project using PyCharm.

### Automated Attendance System for Rural Government Schools (Hackathon Project)

- Developed a QR-based automated attendance system to digitalize attendance tracking in rural schools.
- Designed and implemented using Django and REST framework with JWT authentication.
- Integrated QR code generation for each student and a scanning interface for teachers to mark attendance in real time.
- Enhanced accuracy and reduced manual errors, improving overall attendance management efficiency

## Interest

- Exploring new web technologies and frameworks
- Solving coding challenges on platforms like HackerRank