

# Shailesh Pandit

## Contacts

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## Professional Summary

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Full-Stack Developer with 2 years of hands-on experience building scalable and user-friendly web applications using Python, JavaScript, Django, Django REST Framework (DRF), and React.js. Skilled in designing RESTful APIs, managing PostgreSQL databases, and creating dynamic front-end interfaces. Proficient in state management with Redux Toolkit, implementing secure authentication (JWT, session-based), and integrating third-party APIs. Experienced with Git and GitHub for version control and team collaboration. Passionate about writing clean, efficient, and maintainable code while following industry best practices.

## Technical Skills

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### Backend Development:

- Python | Django | Django REST Framework (DRF) | Authentication & Authorization | Database Management | WebSockets

### Database & ORM:

- SQL | PostgreSQL | Django ORM | Database Design

### Frontend Development:

- HTML5 | CSS3 | JavaScript (ES6+) | React.js | React Router Dom | Redux Toolkit | UI Frameworks

### Version Control:

- Git | GitHub

## Professional Experience

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### Full-Stack Developer | K30 IT Business Solution Pvt. Ltd | 06, 2023 – Present

- Developed responsive web applications using Django and React, delivering smooth user experiences.
- Built secure RESTful APIs with Django REST Framework and implemented JWT-based authentication.
- Optimized PostgreSQL queries and improved database structure for better performance and scalability.
- Created reusable and maintainable UI components following design standards.
- Collaborated with team members using Git and GitHub to manage code and review changes.

- Contributed to major features and resolved critical bugs to enhance system reliability.
- Set up and maintained automated tests to ensure code quality across backend and frontend.
- Wrote clean, well-documented code that supports long-term maintenance and scalability.

## Projects & Contributions

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### Coaching Center Management System:

#### Tech Stack:

- Django, DRF, React.js, Redux Toolkit, PostgreSQL, JWT Authentication, CSS

#### Features & Implementation Details:

- Built secure, scalable RESTful APIs with Django REST Framework and PostgreSQL for backend architecture.
- Designed responsive, role-based React frontend with Redux Toolkit for Admin, Teacher, and Student views.
- Implemented JWT-based authentication with role-specific access control.
- Added batch/course scheduling and real-time attendance tracking features.
- Integrated study material upload/download, internal announcements, and email verification (DNS/SMTP validator).
- Used Django Channels & WebSockets for live notifications and real-time dashboard updates.
- Focused on modularity with reusable UI components and clean CSS design.
- Applied performance optimizations like DB query tuning and frontend code splitting.

### DNS and SMTP Email Validator:

#### Tech Stack:

- Python, dnspython, smtplib, dotenv, Pytest, PyPI

#### Features & Implementation Details:

- Built a Python library for multi-level email validation: syntax, domain, DNS (MX), and SMTP checks.
- Implemented RFC-compliant regex validation and modular design with environment-based domain allowlist.
- Integrated **dnspython** for MX record lookup and direct SMTP handshake for recipient verification.
- Provided configurable error handling: raise exceptions or collect errors for review.
- Developed robust SMTP layer with timeout handling and fallback logic.
- Followed best practices in Python packaging with modular code, semantic versioning, and doc generation.
- Published on PyPI with comprehensive tests, usage examples, and a detailed README.
- Designed for flexibility and community adoption with clean API and full documentation.

## Education

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### Bachelor of Technology (B.Tech):

- Rajiv Gandhi Proudyogiki Vishwavidyalaya University, Madhya Pradesh | 2024

### Senior Secondary:

- U.S.R. College Siswapatna, East Champaran, BSEB Patna | 2020

## Certifications & Achievements

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- React - The Complete Guide 2025 | Udemy | 2024 – Present
- Machine Learning Workshop With Python | mysirg.com | 2023
- Full Stack Web Development Using Python | Ineuron.ai | 2022
- Python For Beginners | kodacy.com | 2022

## Languages

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- English – Professional Working Proficiency
- Hindi – Native / Bilingual Proficiency