SARTHAK PATWA

COMPUTER SCIENCE AND ENGINEERING

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[Portfolio](#) | [Github](#) | [LinkedIn](#)

PROFILE

Full-Stack Developer with proven experience in React.js, Python, JavaScript , Django, and SQL, specializing in scalable and high-performance web applications. Completed on-site internships at Konnections India and Doqfy Internet Pvt. Ltd., where I worked on production-grade systems involving backend architecture design, RESTful APIs, JWT authentication, and real-time multi-role workflows for property, lease, and payment management. Good foundation in Data Structures and Algorithms and database modeling, with a consistent academic record and multiple excellence awards. Driven to build efficient, secure, and maintainable software solutions while actively evolving towards AI-integrated development.

WORK EXPERIENCE

Doqfy Internet Private Limited | Jr . Full Stack Developer Intern | Pune   **Oct 2024 - Jan 2025**

- Worked as a backend developer on a Dubai-based property management platform, building the complete robust backend using Core Django, REST APIs, modular architecture, reducing data retrieval time by 25% through query optimization.
- Designed a normalized database architecture covering properties, leases, tenants, owners, PMC, roles, staff, docs and payments , indexing, relationships, migrations, constraints, ER-diagrams and scalability planning.
- Implemented JWT authentication and role-based access, complex multi-user workflows between Owner, PMC, Tenant, and Staff, including signup, login, logout, session management, token refresh, user onboarding, and account verification.
- Built property and lease management modules, including negotiations, contract templates, PDF preview/download, and document handling rent tracking, lease renewal, payment scheduling, Ejari certificate , Dubai-based tenancy workflows
- Integrated AWS S3 and AWS SES for secure document storage, OTP-based login, automated email notifications, and enhanced password workflows and generated AWS pre-signed URLs for secure document and image access.
- Developed payments, cheque tracking, interactive dashboards, detailed reports, pagination, filtering, CSV exports, and tenant features like interested property and complaints management. conditions management during user negotiations.

Konnections India | Software Development Intern | Mumbai   **Jan 2024 – June 2024**

- Contributed to an E-commerce website by developing interactive and reusable UI components using JavaScript, jQuery, and modern frameworks, focused on responsiveness, accessibility, and cross-browser compatibility.
- Built a structured 4-step login and signup flow with client-side validation and a smooth, user-friendly overall experience across different devices, including OTP verification and error-handling mechanisms , session management .
- Integrated frontend features with the PHP backend, securely handling form submissions and user authentication processes end to end, ensuring data validation, encryption, error monitoring and session security.
- Assisted in Razorpay payment integration, efficiently implementing checkout flows and secure transaction handling with backend PHP logic, and also worked on the frontend side to display pop-ups for collecting user details and information.
- Worked on E-commerce product and user flows, Improved website stability by 15% through optimized error handling, and performance across multiple user interactions, including bug fixing, UX enhancements and mobile responsiveness

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CORE COMPETENCIES

- **Languages:** Python, JavaScript (ES6+), C++, HTML5, CSS3.
- **Frameworks/Libraries:** Django, React.js, Redux, Django REST Framework, jQuery, Tailwind CSS, Bootstrap.
- **Databases & Cloud:** SQL, AWS (S3, SES), Firebase, Cloudinary.
- **Tools:** Git/GitHub, Postman, Jira, Vercel .
- **Core Areas**: REST APIs, Authentication, CRUD operations , MVC/MVT, Database design , Agile Methodology .

CERTIFICATIONS

- Completed 102-hour Advanced Java Programming Training at Anudip Foundation covering OOPs, JDBC, Servlet, JSP.
- Completed 15-day Frontend Development Training at Skystar Software, successfully gaining practical skills
- Successfully completed a Certified Workshop on AI Tools, gaining hands-on practical experience, by Skill Nation
- Earned certificates in JavaScript, C++, and HTML & CSS from Great Learning, verifying skills mastery.
- Achieved HackerRank Frontend (React) Role Certification, demonstrating proficiency in React development and practical problem-solving skills

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EDUCATION

B.Tech in Computer Science Engineering Oct 2021 – June 2025

Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV), Madhya Pradesh

CGPA: 8.57