

Manikandan S

Expert in development techniques and tools, with a passion for continuous learning and exploring new concepts
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Technical Skills

- **Languages:** Django Rest Framework, RestAPI, Python, JavaScript, MySQL, CSS, HTML5, Ajax
 - **Frameworks / Libraries:** Django Rest Framework, RestAPI, Microservices, Flask
 - **Databases:** MySQL, Sqlite
 - **Developer Tools:** Github, Git, Postman, VS code
 - **Deployment:** Pythonanywhere, Vercel **Software Development Methodology:** Agile, Scrum
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Education

Master of Computer Applications

Dr. M.G.R Educational And Research Institute

- Current CGPA: 8.80

Chennai

July 2022 – June 2024

Professional Experience

Aura Harks Technology Private Limited | Software Engineer

Chennai

Project: Lottery Management System |Backend Developer

Oct 2024 – May 2025

- Developed a Lottery Management System using Django REST Framework (DRF), microservices architecture, and an AJAX-driven frontend. Integrated Stripe for secure payments with webhooks and deployed the system on PythonAnywhere with GitHub.
- The system enables users to securely login, purchase lottery tickets, and participate in automated lottery draws.
- The backend is built with Django REST Framework, following a microservices approach, with separate modules for user management, lottery ticketing, payment processing, and draw selection.
- The frontend, powered by JavaScript and AJAX, provides a seamless experience with real-time updates and dynamic ticket validation.
- Stripe API integration ensures secure payment processing, with webhooks handling successful transactions, refunds, and disputes before generating tickets.
- The admin dashboard allows management of users, payments, and reports. The system follows Agile development, GitHub Actions to PythonAnywhere.

Project: E-commerce project for online course sales |Backend Developer

July 2024 – Sep 2024

- Developed a complete e-commerce platform for selling online courses, focusing on a smooth user experience and powerful backend management
- Dynamic course catalog with real-time updates using AJAX. Fully functional cart system to add and remove courses.
- Integrated Razorpay for secure payment processing. Automated billing and invoice generation after successful transactions.
- Course listing for users to view and access their purchased courses post-payment. Robust backend (Django) to efficiently manage courses, prices, and descriptions, providing administrators with full control over the product listings.

Project: Student Data Management Platform |Backend Developer

April 2024 – June 2024

- Developed a full-stack Django web application designed to efficiently manage student information and automate certificate generation.
- The project uses MySQL for secure data storage and ensures a responsive user experience through a JavaScript and Ajax.
- Student Data Management: Securely stores and organizes student details.
- Certificate Generation: Automatically generates and sends certificates to students in a desired format (e.g., PDF).
- OTP Verification: Enhances security through email-based OTP verification for critical actions.
- SMTP Integration: Automates sending certificates and OTPs to student emails.

Aura Harks Technology Private Limited | Intern Software Trainee

Chennai

Project: Face Recognition Attendance System using GUI

January 2024 – March 2024

- Easy to use with interactive GUI support.
 - Password protection for new person registration.
 - Creates/Updates CSV file for details of students on registration.
 - Creates a new CSV file everyday for attendance and marks attendance with proper date and time.
 - Displays live attendance updates for the day on the main screen in tabular format with Id, name, date and time.
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Certifications

- **Certified Python Full stack**– Nov 2023
 - **Certified in Angular JS, React JS**- Oct 2023
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Publications — Journal Paper

Hobbies

- Conducting technical workshops on Django and full-stack development.
- Mentoring Intern students and Trainee developers in programming best practices.
- Engaging in coding challenges and open-source contributions.