

Ajay Sirivaram

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Professional Summary

Python Backend Developer with hands-on experience in building scalable web applications using Django and REST APIs. Skilled in designing backend systems, database management, and API integration.

Experience in developing enterprise-level applications including HRMS and payroll systems with real-world use cases.

Strong foundation in Object-Oriented Programming, Data Structures, and problem-solving, with exposure to AI/ML concepts and modern development tools.

Seeking an entry-level opportunity to contribute to impactful projects while continuously learning and growing.

Technical Skills

- Programming: Python (Core and Advanced)
 - Frameworks: Django, Django REST Framework
 - Backend: REST API Development, CRUD Operations, API Integration, Authentication
 - Databases: MySQL, MongoDB
 - Cloud and Tools: AWS (EC2, S3 – Basics), Docker (Basics), Git, GitHub
 - Concepts: Object-Oriented Programming, Data Structures, Debugging, Performance Optimization
 - Frontend: HTML, CSS, React
 - AI Exposure: AI fundamentals, prompt engineering
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Experience

Python Developer – BlackRoth

December 2025 – Present

- Developed scalable backend services using Django and REST APIs
- Built and maintained HRMS modules including payroll and employee management
- Designed APIs for seamless frontend-backend communication
- Improved system performance through debugging and optimization
- Worked in Agile teams delivering client-focused solutions

Cybersecurity Virtual Internship – Palo Alto Networks

- Automated log analysis using Python scripts for threat detection
- Performed log parsing and basic security analytics

- Gained exposure to cybersecurity concepts and risk assessment

Projects

Payroll Management System (Django + React)

- Built an HRMS system with automated payslip generation
- Implemented role-based access (Admin, HR, Employee)
- Developed REST APIs for payroll processing and employee data
- Integrated PDF generation and automated email delivery
- Designed scalable backend architecture for salary calculations

Company Website – BlackRoth (blackroth.in)

- Developed and maintained the official company web application
 - Built responsive UI and integrated backend APIs
 - Optimized performance and improved user experience
 - Managed deployment and production updates
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Education

B. Com in Computer Applications
Yogi Vemana University | 2023

Certifications

- Claude 101 – Anthropic
 - Claude Code in Action – Anthropic
 - Introduction to Agent Skills – Anthropic
 - AI Fluency: Framework and Foundations – Anthropic
 - AI Fluency: AI Capabilities and Limitations – Anthropic
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Problem-Solving

- Solved 50+ Python problems on Hacker Rank
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Soft Skills

- Client-focused approach
- Team collaboration in Agile environments
- Strong problem-solving and debugging skills
- Effective communication