

# AJAY KUMAR SAHU

Bengaluru, Karnataka

Python Developer - Data Engineering Enthusiast – Django – SQL

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## EDUCATION

**Roland Institute of Technology**  
*Master of Computer Application; CGPA: 8.88*

**Dec 2021 - August 2023**  
Berhampur, Odisha, India

**Berhampur University**  
*Bachelor of Science (HONORS) – Physics; CGPA: 7.5*

**June 2017 - August 2020**  
Berhampur, Odisha, India

## WORK EXPERIENCE

### PYTHON DEVELOPER INTERN | SCIFOR TECHNOLOGIES |

January 2024 - January 2025

- Developed and deployed a web application using **Django**, resulting in a 30% reduction in manual input.
- Implemented **RESTful APIs** in Django to integrate with **Angular** front-end components, enhancing the user experience.
- Utilized **Angular**, **HTML5/CSS3**, and **JavaScript** to design and build a responsive website, increasing user engagement by 15%.
- Delivered a web application based on Django by working with cross-functional teams.
- Utilized **PowerPoint** and **Excel** to prepare and present analytical reports with actionable insights for stakeholders.

## PROJECTS

### Athlete Management System | (Client Project)

Aug 2024 - January 2025

*Utilizing a role-based web application, managed athlete profiles, performance metrics, and training schedules.*

- Implemented** a robust, role-based Athlete Management System to precisely monitor athlete profiles and performance metrics, ensuring 98% data accuracy.
- Streamlined** player management with CRUD operations and automated 95% successful training notifications.
- Significantly improved system performance by 25% through SQL Server database query and integration **optimization**.
- Leveraged Django, HTML, CSS, JavaScript, and REST API to develop a **reliable** system managing 1,000+ records with 99% **uptime**.

### Pet-Pooja Food Delivery Web App |

April 2024 - July 2024

*Created a seamless online food delivery web application with efficient order management, prioritizing user experience.*

- Created** a feature-rich online food delivery app using Django, including restaurant management, admin panels, and real-time location search.
- Empowered** restaurants with a dedicated management panel, leading to a 20% **increase** in registrations and a better user experience.
- Engineered** a dynamic frontend using JavaScript, AJAX, jQuery, HTML, and Bootstrap, resulting in a 15% improvement in page responsiveness and user engagement.
- Improved **backend performance** and query efficiency, resulting in an 18% faster response time and a smoother user experience, even during peak traffic.

### Library Management System |

Oct 2023 - December 2023

*Developed a Django-based Library Management System to efficiently manage book inventory, member records, and borrowing processes.*

- Enhanced** user experience with advanced search and filtering capabilities, enabling quick access to 10,000+ books, reducing retrieval time by 25%.
- Integrated** barcode scanning technology into the Library Management System to automate book check-in/check-out, minimizing human error.
- Provided valuable insights into borrowing trends and library performance through dynamic reports generated with SQL queries and data visualization.

## TECHNICAL SKILLS

- Programming Languages:** Python, SQL, HTML5, CSS3, JavaScript
- Web Frameworks:** Django, Angular, Fast API
- Database:** SQL Server, MongoDB
- Python Libraries:** Pandas, NumPy, scikit-learn, Matplotlib
- Tools:** GitHub, Docker, Linux, AWS, Azure
- Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code, Google Colab

## CERTIFICATES

- ❖ **ChatGPT Prompt Engineering** | *Learned to craft effective prompts for AI-powered language models to generate optimal outputs.*
- ❖ **Masters Data Structures in Python** | *Gained proficiency in implementing advanced data structures using Python.*
- ❖ **Masters Microsoft SQL Server** | *Mastered SQL Server for database management, queries, and hands-on data analysis.*
- ❖ **Linux for Data Engineers** | *Developed expertise in Linux operations essential for data engineering workflows.*
- ❖ **Cloud-Powered Web App Development with AWS** | *Developed cloud-based web application leveraging AWS services.*
- ❖ **Data Mining and Data Analytics Using Python Libraries** | *Built skills in Python libraries for scientific computing, data manipulation.*

## SUMMARY

Dedicated and results-oriented professional with a strong foundation in Python and Django. Proven ability to deliver high-quality solutions through effective time management, problem-solving, and teamwork. Committed to continuous learning and eager to contribute to innovative projects.

Ajay Kumar Sahu