

Sanchay Kumar

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PORTFOLIO

PROFESSIONAL SUMMARY

- **Versatile Web Developer and Data Analyst** skilled in **Python, Django, SQL, JavaScript, Power BI, and Excel**. Experienced in building responsive web applications and developing data-driven dashboards that enhance business decision-making. Strong in **data analysis, visualization, and backend development**, with a focus on delivering efficient, scalable, and user-friendly solutions. Passionate about combining programming and analytics to solve real-world problems and drive digital innovation.

EDUCATION

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| • B.E. in Computer Science and Engineering | Salem, India |
| <i>Knowledge Institute of Technology, CGPA: 7.5</i> | 2021 – 2025 |
| • HSC | Salem, India |
| <i>Sri Gayathri Higher Secondary School, Percentage: 78%</i> | 2020 – 2021 |

INTERNSHIP EXPERIENCE

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| • Python Programming Intern – Cisco Networking Academy | Virtual (2023) |
| Completed hands-on modules in Python, data structures, OOP, and object-oriented programming . | |
| • Web Development Intern – Virtua Solutions | Virtual (2024) |
| Developed responsive websites and web apps using HTML, CSS, Bootstrap, JavaScript, and Django . | |

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, SQL, HTML, CSS
- **Libraries & Frameworks:** Pandas, NumPy, Django, Bootstrap
- **Databases:** MySQL
- **Tools & Version Control:** Git, GitHub, VS Code, Jupyter Notebook
- **Other Skills:** CRUD Operations, Data Extraction, Data Cleaning, Excel, Power BI

PROJECTS

- **Movie Ticket Booking System:**
 - Built a full-stack web application using **HTML, CSS, Django, Bootstrap, JavaScript**.
 - Implemented user authentication, seat selection, payment gateway integration, and admin dashboard.
 - Optimized performance, reducing response time and improving user experience.
- **Farm Intelligence for Sustainable Agriculture:**
 - Developed an IoT-based ML system integrating crop, weather, and soil data.
 - Delivered real-time recommendations for fertilizer and crop management.
 - Promoted sustainable farming practices and improved yields.
- **Data Analytics Dashboard:**
 - Created a **Power BI and Python**-based interactive dashboard to visualize sales and performance metrics.
 - Utilized **Pandas, NumPy, and Excel** for data cleaning and analysis.
 - Improved business insights through interactive visual reports and SQL-based data integration.

CERTIFICATIONS

- Python Full Stack with Data Analytics – PySpiders (In Progress)
- Python Full Stack Development – Refinement Software Solutions (2024)
- AWS Academy Cloud Foundations (Basics) – AWS (2023)
- App Development (Basics) – KarmaDev.in (2023)