

SWARUP MANDAL

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SKILLS

- **Languages:** Python, HTML, CSS, Java Script, Bootstrap
- **Framework:** Django, Flask, NumPy, Pandas
- **Database:** MySQL, MongoDB, Vector DB
- **Technical Skills:** Data Structure, Object-Oriented Programming (OOP)
- **Tools:** Streamlit, Fast API, Lang Chain, Hugging Face, NLP,RAG

EDUCATION

- RTC Institute of Technology, Ranchi Dec 2020 - Jul 2024
B.Tech in Computer Science & Engineering CGPA - 8.0

EXPERIENCE

Butterfly Overseas | Hyderabad April 2025 – Present

- Acquire expertise in working on industrial project.
- Managed backend and database operations using My SQL, improving data retrieval speed by 40%.
- Work on real-time project.
- Worked as Freelance to design, develop and test web application

Naresh IT | Hyderabad (Intern) April 2024 – August

- Learned and applied **Django, Flask, and database management** techniques.
- Contributed to **real-time project development**, collaborating with faculty and peers.
- Gained exposure to **team-based project workflows** and version control practices.

PROJECTS

Butterfly Overseas Website (Freelance Project) [link](#)

- Developed and deployed a **consultancy website HTML, CSS, and JavaScript** for a responsive user experience.
 - Integrated interactive UI features (form, animation, navigation) for smooth client engagement.
 - Optimized layout for mobile and desktop, ensuring better user accessibility.
- Technology Used:** Python, Flask, HTML, CSS, JavaScript, MySQL

Burger Hut(Django)

- Built a **full-stack restaurant management system** using **Python (Django), HTML, CSS, and JavaScript**.
 - Implemented **secure user authentication** with registration, login, and order history tracking features.
 - Followed **MVC architecture** and modular design for scalability and easy maintenance.
- Technology Used:** Python, Django, HTML, CSS,JS, React

DocuChat AI(RAG Application)

- A Data Science project that reads PDFs and enables users to interact with the document via chat.
 - Uses Lang Chain, FAISS, and OpenAI Embeddings for document processing and retrieval.
 - Enhances document accessibility by allowing interactive Q&A
- Technology Used:** Python, Lang Chain, LLM, OpenAI, NLP, Hugging Face

CERTIFICATIONS

- Cleared Assessment test in problem solving and python at Hacker Rank and Internshala [link](#)
- Certificate Full Stack Python – Naresh IT [link](#)