Shrawani Nanda

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EDUCATION

IIIT Hyderabad — Gachibowli, Hyderabad
Bachelor of Technology in Computer Science, CGPA: 8.61 — *Aug. 2024 – Current*

Holy Convent Senior Secondary School — New Delhi
Rank 1 in School — Scored 95% in 12th boards (CBSE) — JEE Mains AIR 2172

Open Minds A Birla School — Patna
Scored 95% in 10th boards (CBSE) — Black Belt in Taekwondo (8+ years)

PROJECTS

Docs++ | *C, git* | github.com/shraw06/DocsPlusPlus
- Built a distributed file management system in C with a centralized name server, storage servers, and client modules.
- Implemented file and directory operations including create, read, write, undo, metadata access, and checkpointing.
- Supported multi-user, cross-device access with concurrent client handling using networking and synchronization.

C-Shell | *C, git* | https://github.com/shraw06/C-Shell
- Built a custom Unix-like shell with command parsing and execution using `fork`, `exec`, and `wait`.
- Implemented piping and foreground/background job control with concurrent process handling.
- Added persistent command history with index-based re-execution and custom built-in commands (`hop`, `reveal`, `log`).

Wi-SUN | *Simplicity Studio, Wi-SUN, Sensors, CoAP* | Dashboard Link |
https://github.com/shraw06/ESW_WiSun
- Conducted RF mapping using Wi-SUN nodes to study wireless coverage and connectivity.
- Extended a large existing codebase to integrate sensors and expose network parameters via CoAP.
- Visualized and analyzed RF data using a custom dashboard across multiple deployments.

Recipedia | *Python, FastAPI, MongoDB, HTML, CSS, JavaScript* | Website Link | https://github.com/shraw06/Recipedia
- Developed a full-stack recipe discovery platform using FastAPI, MongoDB, and a responsive web frontend.
- Implemented ingredient-based search by scraping and processing recipe data using Python.
- Exposed RESTful APIs and deployed services using cloud platforms (Render, Vercel).

GhoulVault | *MySQL, Python* | https://github.com/shraw06/GhoulVault
- Designed a relational MySQL database for structured record management.
- Built ER diagrams, derived normalized schemas, and integrated Python-based query execution.

HR Management System | *Python, MongoDB Atlas* | https://github.com/shraw06/hr-automation-system
- Built a backend-focused HR automation system for recruitment and onboarding workflows.
- Implemented resume parsing, policy-based Q/A, onboarding planning, and API validation via Swagger UI.

SKILLS

Technical: Python, C/C++, MySQL, MongoDB, JavaScript, HTML/CSS, FastAPI, BeautifulSoup, Operating Systems and Networking, Git, GitHub, VS Code, WiSUN, Simplicity Studio
Areas: Web Development, REST APIs, DSA, Machine Learning, Agentic AI
Soft Skills: Teamwork, Time Management, Communication

LANGUAGES

English, Hindi

ONLINE COURSE COMPLETION

Machine Learning (by Andrew Ng, DeepLearning.AI) on Coursera.
Link: https://coursera.org/share/3f0ac6f89ccbf725c9a2b29b171b0426