

Sneha Naraniwal

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ACADEMIC BACKGROUND

University of Petroleum and Energy Studies
Bachelor of Technology

Dehradun, India
November 2022 – Present

PROJECTS

Docker-Powered Application Ecosystem Source code

- Built and deployed **containerized applications**, including AI-powered analytics, full-stack integrations, and **cloud-hosted solutions**.
- Implemented **secure networking**, storage persistence, and scalable architectures for production-ready environments.
- **Tech Stack:** Docker, GitHub, AWS, Streamlit

Collaborative Whiteboard Application Source code

- Built a **real-time collaborative whiteboard** enabling multiple users to draw, erase, and interact seamlessly.
- Developed **customizable drawing tools** with adjustable brush sizes and color options for an intuitive experience.
- Utilized **Tailwind CSS** and **Bootstrap** to create a dynamic and **responsive UI**, adhering to best practices for **mobile-first design**.
- **Tech Stack:** React.js, Tailwind CSS, Bootstrap

FAQ Management System with Multi-Language Support Source code

- Developed a **multilingual FAQ system** (English, Hindi, Bengali), with language-specific content retrieval, enhancing user self-service capabilities.
- Integrated **django-ckeditor5** for rich text formatting in FAQ answers, improving the clarity and presentation of FAQ answers.
- Implemented a **REST API** with language-specific retrieval using query parameters, and optimized performance with **caching** via Django's default cache backend.
- Designed an intuitive **Django admin panel** simplifying FAQ content management and updates.
- **Tech Stack:** Django, django-ckeditor5, Redis (for caching), Docker (for containerization)

CloudMorph: Adaptive & Secure Web Solution Source code

- Designed and deployed a scalable three-tier web architecture on the cloud, utilizing AWS services for security, storage, and automation.
- Implemented IAM for secure access control, S3 for optimized data storage, and Lambda for efficient serverless computing.
- Integrated automation templates and DynamoDB for reliable database management, ensuring high performance, security, and seamless user experience.

TECHNICAL SKILLS

Languages and Tools: C++, Python, JavaScript, SQL, HTML, CSS, Jupyter Notebook, Google Colab, Tableau
Softwares/Libraries: Git, Github, Numpy, Pandas, Matplotlib, Bootstrap, Tailwind
Technology: OOPs, Operating System, DBMS, Computer Network, ReactJs, Next.js, Django, Docker, AWS.
Courses : Data Structure and Algorithm, AWS, Operating System, DBMS, Computer Architecture, Computer Network, Compiler Design, DevOps, Container Orchestration, AI and ML

CERTIFICATE

- AWS Academy Graduate - AWS Academy Cloud Architecting: [Certificate Link](#)
- AWS Academy Graduate - AWS Academy Introduction to Cloud Semester 2: [Certificate Link](#)
- AWS Academy Graduate - AWS Cloud Practitioner Essentials [Certificate Link](#)

POSITIONS OF RESPONSIBILITY

- Core Technical Member(Cloud Security Alliance) November 2024 - December 2024