Uppara Uday Sagar

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🔗 LinkedIn ⭘ GitHub

Professional Summary

Results-driven and analytical Computer Science and Engineering (Data Science) student. Experienced in developing and optimizing data-driven applications, backend systems, and web platforms. Skilled in data preprocessing, exploratory analysis, and building end-to-end scalable solutions. Adept at problem-solving, critical thinking, and collaboration, with a strong interest in leveraging data and software engineering principles to deliver impactful business insights and innovative technological solutions.

Education

B.Tech in Computer Science and Engineering – Data Science · **Expected 2026**
Vignana Bharathi Institute of Technology(VBIT) · *Hyderabad, Telangana*

Intermediate (MPC) · **2020 – 2022**
Narayana Junior College · *Hyderabad, Telangana*

Experience

Intern – Indian National Center for Ocean Information Services (INCOIS) · **Apr 2025 – Jun 2025**
Ministry of Earth Sciences, Government of India · *Hyderabad, Telangana*

- Optimized the **SARAT (Search and Rescue Aid Tool)** by refactoring backend algorithms, improving computation speed.
- Enhanced UI responsiveness and integrated real-time data layers, improving usability for 100+ rescue operators.
- Collaborated with cross-functional teams to optimize high-resolution ocean model computations.
- Contributed to feature enhancements, bug fixes, and performance tuning across both frontend and backend modules.
- Actively participated in code reviews, version control workflows, and deployment processes to maintain code quality and system reliability.

Projects

Freemium2Preemium – ML Conversion Prediction Model (Python, Streamlit, Scikit-learn)

- Developed a machine learning model to predict users most likely to convert from free trial to premium subscription.
- Performed feature engineering and model evaluation using Decision Trees, Logistic Regression, and Random Forests.
- Deployed an interactive **Streamlit web app** for visualization and real-time prediction. **Try it now**

FoundIT – Lost & Found Platform (Django, SQLite, HTML, CSS, JS)

- Developed a secure Django-based platform connecting people who lost items with finders.
- Implemented document verification, claim limits, and mediator-assisted workflows for secure exchanges.
- Integrated geolocation-based item tracking and optimized database performance.

Certifications

- ServiceNow Certified System Administrator (CSA). **View Certificate**
- Zscaler Zero Trust Associate (ZTCA) Certification.**View Certificate**
- NPTEL – Data Science for Engineers. **View Certificate**

Technical Skills

- **Languages:** Python, Java, SQL
- **Frameworks:** Django, HTML, CSS, JavaScript, Streamlit
- **Tools:** Git, VS Code, SQLite, Excel
- **Soft Skills:** Problem-Solving, Critical Thinking, Teamwork, Adaptability

Extra-Curricular Activities

- Participated in multiple hackathons contributing to full-stack and ML application development.