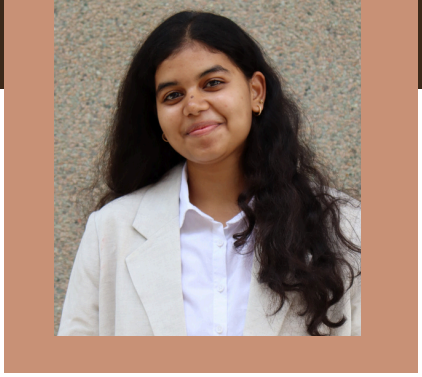

ATLA SREENIDHI

COMPUTER SCIENCE ENGINEER

[in] linkedin.com/in/atla-sreenidhi | asreenidhi5@gmail.com
☎ 7569437072 | Hyderabad , Telangana

CAREER OBJECTIVE

Driven by curiosity and ambition, I aim to build a career where technology meets exploration, everaging AI, software engineering, and space-tech innovation to create solutions that push boundaries, inspire progress, and make a real impact. I want to work in environments that challenge me, fuel creativity, and let me grow into a leader who builds what doesn't exist yet.

SKILLS

Programming Languages : C , C++ , Python , JavaScript , Java .
Machine Languagae : PyTorch, Sci-Kit Learn, OpenCV , Mask R-CNN , Deep Learning (Neural Networks, CNNs basics) .
Data Analysis : Tableau , Power BI , QlikView , Big Data Analysis ,Geospatial Data Analysis .
Frontend : HTML , CSS , AngularJS , ReactJS , FlutterFlow .
Software Development : Object-Oriented Programming (OOPs) ,Real-Time Systems Basics , Embedded C Basics .
Databases : MySQL ,Time-Series Databases .
DevOps : Docker, Jenkins,Kubernetes , CI/CD for Space Mission Software Pipelines , Cloud Computing for Space Data (AWS/GCP/Azure) .
Version Control : Git .

EDUCATION

Bachelor of Technology **2022-2026**

V N R Vignana Jyothi Institute of engineering and Technology , Bachupally , Hyderabad , Telangana

- Major in Computer Science and Engineering
- CGPA : 8.3

10+2 [12th Standard] **2022-2020**

Army Public School R K Puram , Secunderabad , Telangana

- Pursued Intermediate in the MBC (Maths,Physics,Chemistry) stream.
- Percentage : 77.4 %

10th Standard **2020-2019**

Army Public School R K Puram , Secunderabad , Telangana

- *Percentage : 85 %*

STRENGHTS

Communication : Excellent Communication Skills , Strong Interpersonal & Verbal Communication , Clear and Effective Communicator .
Disicplined : Self-Disciplined , Consistent and Reliable , Strong Work Ethic
Adapdability : Social , Flexible and Open to Change
Leardership qualities : Strong Leadership Skills , Team Leadership & Coordination , Ability to Motivate and Guide Teams
Agile Worker : Capable of Managing Multiple Responsibilities with Accuracy .
Management : Skilled in Planning & Execution ,Effective Organisation and Time Management
Hobbies : Crocheting, Playing Guitar, Swimming, Playing Basketball, Browsing Global Issues, Origami, Cooking, Occasionally Baking .

PROJECTS

Lunar Crater Detection & Risk Classification : [Deep Learning]

- Designed a deep-learning system that can identify and analyze lunar craters from high-resolution satellite images, using a U-Net model with a ResNet18 encoder.
- Refined crater boundaries with OpenCV techniques and studied each crater's shape, size, shadows, and closeness to others to understand how risky it might be for lunar missions.
- Created a simple, interpretable scoring method that labels craters as Low, Moderate, or High risk, helping in landing site selection and rover path planning.
- Trained the model on a curated lunar dataset and produced clear, color-coded crater maps that make complex ML results easy for mission teams to use.

Tech Stack : Python, PyTorch, U-Net, ResNet18, segmentation_models_pytorch, COCO Dataset, OpenCV, NumPy, Image Processing .

Multimodal Automated Subjective Grading System : [AI + Quantum NLP]

- Built a multimodal grading system capable of evaluating text, handwriting, diagrams, equations, and code using OCR and AI models.
- Applied semantic and Quantum NLP techniques to compare answers meaningfully with model keys, improving accuracy and fairness.
- Designed a scalable pipeline that delivers clear feedback and processes large volumes of answer sheets efficiently.

Tech Stack: OCR (Tesseract, Mathpix), HTR, OpenCV, SymPy, Pint, OSRA, RDKit, NLP/QNLP models, Classical & Quantum Machine Learning and RAG-based semantic evaluation.

International Space Station (ISS) Interface : [Frontend Project]

- Built an interactive frontend interface with intuitive dashboards to visualize real-time ISS data including location, speed, crew details, and mission updates.
- Used modern frontend tools to create a responsive, space-themed UI that transforms complex NASA data into clear, engaging visuals.

RESPONSIBILITIES

Secratory General : VJMUNSoc [Model United Nations Society]

I co-founded VJMUNSoc along with my fellow delegates and successfully organized 4+ MUN conferences across Hyderabad. Through this journey, I developed strong leadership qualities, confidence, and self-dignity, while significantly improving my communication and public-speaking skills. Being part of MUN also expanded my global and local awareness, helping me understand world issues, diplomacy, and Negotiation .

General Secratory : Stentorian [English Literary Club]

Stentorian has been a place where I grew creatively and confidently, through organizing and participating in debate events. It taught me how to manage large-scale activities, work with diverse teams, and lead with empathy , shaping my communication and ability to bring people together.

Techniacla Lead : Kaksya Sastra [Space Club]

As a Technical Lead, I worked on exciting projects like Mini CubeSat, CanSat, RC Plane, and Weather Balloon missions. Collaborating under tight deadlines helped me sharpen my technical skills, teamwork, and problem-solving abilities.

Also a member of La Culinia Food Club, exploring culinary delicacies and experimenting with cooking.

ACHIVEMENTS

- Have passionately participated in 8+ MUN conferences and have proudly bagged an award in every conference I attended.
- Participated in various hackathons including the NASA Space Apps Challenge 2023, Smart India Hackathon, and multiple inter-college hackathons.
- Won several competitions including Capture the Flag, literary events, debate events, and more.