

SANAGAPALLI UMAMAHESWARI

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CAREER OBJECTIVE:

Motivated CSE graduate with basic knowledge of Python and SQL, seeking an entry-level Junior GIS Engineer position. Eager to learn GIS technologies, spatial data processing, and mapping techniques while contributing to real-world projects. Passionate about applying programming and analytical skills to support GIS solutions and data management. Committed to continuous learning, problem-solving, and working collaboratively with experienced professionals. Looking forward to building a strong foundation in GIS and advancing into roles such as GIS Analyst or GIS Developer.

EDUCATION:

Bachelor of Technology in Artificial Intelligence & Machine Learning	2021 - 2025
Chalapathi Institute of Engineering & Technology	CGPA: 8.5/10
Board of Intermediate Education	2019 - 2021
Narayana Junior College	CGPA: 8.6/10
Board Secondary School Certificate	2018 - 2019
The Central School	CGPA: 9.3/10

SKILLS:

- **Programming Languages:** Python, Core Java
- **Data bases:** SQL
- **Front end Technologies:** HTML, CSS, JavaScript
- **Developer Tools:** VS Code, Github
- **Common Skills:** Word, Excel, MS Office, PowerPoint

CERTIFICATIONS:

- Google AIML Virtual Internship
- AWS Cloud Virtual Internship
- Python Basic Skill Test (HackerRank)
- Achieved student level credential for completing the Python Essentials 1 & 2 provided by Cisco Networking Academy in collaboration with OpenEDG Python Institute

PROJECTS:

Machine Learning Based Airline Ticket Price Prediction

- Developed a predictive model to forecast airline ticket prices using 3 datasets with 10,000+ records.
- Implemented and compared Linear Regression, Decision Tree, and Random Forest models for accuracy.
- Achieved R² score improvement of 25% with Random Forest compared to baseline linear regression.
- Reduced prediction error (MSE) by 18%, ensuring more reliable price forecasting.
- Designed modules for data preprocessing, feature engineering, and model evaluation.
- Integrated a real-time dynamic pricing module for instant fare prediction.
- Tools & Technologies: Python, Scikit-learn, Pandas, NumPy, Matplotlib.
- Outcome: Enabled cost-effective flight booking decisions and optimized pricing insights for airlines.

SOFT SKILLS:

- Problem Solving
- Time Management
- Team Work
- Communication
- Analytical Skills