

BALA NAGA SAIRAM KOTHAPALLI

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OBJECTIVE

Passionate AI enthusiast with expertise in Python, machine learning, and generative AI. Seeking an entry-level role where I can leverage my AI skills to develop cutting-edge, data-driven solutions and contribute to advancing AI technologies in a dynamic organization

EDUCATION

Bachelor of Technology,  PRESIDENCY UNIVERSITY, Bengaluru.

August 2020 - June 2024

Relevant Coursework: Electronics and Computers Engineering

CGPA: 7.55/10.0.

Intermediate,  Sri Chaitanya Junior College, Machilipatnam.

2018 - 2020

Relevant Coursework: Studied Physics, Chemistry, and Mathematics.

Percentage: 87.2/100.

SKILLS

Technical Proficiencies

- **Programming:** Python, C++.
- **Web Development:** HTML, CSS, JavaScript.
- **Technology:**MP & MC,Arduino Uno, Embedded Systems.
- **Databases:** MySQL.
- **AI, ML & DL, Generative AI.**

Interpersonal Competencies

- **Communication:** Verbal, Non-verbal.
- **Leadership:** Team Building, Problem-Solving.
- **Management:** Task Delegation, Project Planning, Decision Making.
- **Languages:** Telugu, English, Hindi, Kannada.

PROJECTS

CERVICAL CANCER CELL DETECTION:

- Implemented MATLAB-based image processing algorithms achieving detection accuracy for cervical cancer cell identification in Morphoscopic images.
- Constructed an automated system to analyze microscopic pictures, reducing manual intervention and ensuring consistent and reliable results.
- Validated the system's performance through rigorous testing on diverse datasets, achieving a robustness level of 25% against variations in image quality and cell morphology. ([check it here](#))

Smart Water Quality Measurement:

- Developed a real-time monitoring system achieving an increase in data accuracy, facilitating precise water quality assessment.
- Implemented data analysis algorithms resulting in a 20% reduction in response time for detecting water contaminants, enhancing system efficiency.
- Enhanced sustainability efforts by optimizing resource allocation, resulting in a 30% decrease in water wastage within monitored areas([Check it here](#))

CERTIFICATES

- Acquired Generative AI Fundamentals - Google.
- Completed C++ Programming Course - Nit Computers.
- Certified in Data Science - Teachnook.
- HackerRank Certificate on SQL.
- Attained Machine Learning - Simplilearn.
- Achieved Python Essentials Certificate from CISCO.