

BUNEDU SAI VAIBHAV

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE ENGINEERING

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CAREER SUMMARY

Motivated and meticulous Computer Science graduate with a deep understanding of Python development, AI/ML, and Cloud Computing. Skilled at building scalable applications, perfecting performance, and using data-driven approaches for problem-solving. Adept at integrating machine learning techniques, cloud infrastructure, and automation technologies to develop impactful solutions. An initiative-taking learner with strong analytical skills, enthusiastic about working on innovative projects in AI, software development, and cloud architecture.

EDUCATION

B. Tech in CSE Institute of Aeronautical Engineering	(CGPA 7.81)	2025
Intermediate Sri Chaitanya Junior College	(88.8%)	2021

CERTIFICATIONS

- **Python Developer - Code Clause:** Built Python-based automation tools to optimized algorithm performance.
- **AWS Developer - NSIC:** Firsthand cloud deployment, migration, and architecture optimization.
- **Zero Trust Cloud Security - AICTE:** Gained ability in cloud security principles and identity access management.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, Data Structures and Algorithms
- **Web Development:** HTML, CSS, REST APIs, MySQL
- **Cloud Technologies:** AWS and Azure fundamentals
- **AI & Machine Learning:** Generative AI, Image Processing
- **Tools & Frameworks:** Git, Jupyter Notebook, Visual Studio

SOFT SKILLS

Analytical thinking, problem-solving, communication, teamwork, adaptability, time management, leadership.

WORK EXPERIENCE

Generative AI Virtual Internship - AICTE

Jul 2024- Sept 2024

- Developed AI-powered content automation models, increasing processing efficiency by 30%.
- Enhanced natural language generation models, improving content accuracy by 25%.
- Applied machine learning algorithms for personalized AI-generated content, improving text coherence by 25% and image generation quality by 30%.
- Led automated testing and evaluation of AI models, increasing prediction accuracy by 15% and refining output precision.

Intern, AWS Cloud Computing - NSIC Technical Services Centre

Aug 2023- Sept 2023

- Conducted AWS optimization workshops, improving cloud resource allocation by 15%, reducing operational costs.
- Authored an AWS cloud migration whitepaper, streamlining deployment practices and cutting transition time by 20%.
- Implemented automated cloud scaling models, enhancing infrastructure reliability, and reducing downtime by 20% for high-traffic environments.

- Worked on AWS security compliance, ensuring protection of critical data assets and strengthening access control policies by 30%.

PROJECTS

Mail Application - Python Developer (*Code Clause*)

- Built an email management system with spam filtering and priority inbox, improving user productivity by 40%.
- Developed an adaptive priority inbox feature, boosting email sorting efficiency by 40%.
- Integrated custom API connectors, streamlining communication across multiple platforms.

Personal Portfolio Website - Web Development

- Designed an interactive web portfolio using HTML, CSS, JavaScript, increasing UI/UX engagement by 35%.
- Improved site responsiveness and accessibility, enhancing user engagement by 35%.

Image Super-Resolution - AI/ML

- Implemented the SR3 model for high-quality image enhancement, achieving near-human realism G5% accuracy in testing.
- Conducted performance benchmarking, reducing image processing time by 20%.