BHUKYA GANESH

Khammam, Telangana

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Objective

Highly motivated Electronics and Communication Engineering graduate with a strong foundation in Data Structures, Algorithms, and Python. Seeking an Associate Systems Engineer role to leverage my analytical and problem-solving skills in software development. Passionate about learning new technologies and contributing to innovative solutions in a collaborative environment.

Education

Bachelor of Technology, National Institute of Technology, Raipur 2020 – 2024
Electronics and Communication Engineering (CGPA: 7.86) *Raipur, Chhattisgarh*

Intermediate, Sri Chaitanya Junior College 2018 – 2020
Marks: 886/1000 *Khammam, Telangana*

Experience

Bolt IoT Limited May 2023 – October 2023
Web Development Intern *Remote*

- Gained hands-on experience in web development by working extensively with Python, HTML, CSS, and JavaScript. Developed and deployed interactive web applications, improving front-end functionality and responsiveness.
- Improved web application response time by 20% by optimizing core functions and memory management.
- Worked on real-world projects by collaborating with a team of developers, following agile methodologies. Successfully improved project completion rates by 20% through efficient task prioritization and debugging.

Projects

Brain Tumor Detection using Deep Learning

- Developed a deep learning model using Python and TensorFlow, leveraging ResNet-50 CNN to classify MRI images. Achieved an outstanding accuracy of 99.12%, demonstrating high model performance.
- Optimized hyperparameters such as learning rate, batch size, and dropout rates, reducing overall training time by 30%. This allowed for faster model convergence without compromising accuracy.
- Documented model architecture, hyperparameter tuning, and performance metrics for future enhancements.

Password Manager

- Developed a password management tool in C++ that securely stores and retrieves user credentials. Integrated intuitive command-line interactions for easy password access and management.
- Implemented multi-threading to improve performance and support concurrent access.
- Designed a user-friendly interface with features for password creation, modification, and deletion. Enhanced accessibility and usability while maintaining strong security protocols.

Technical Skills

Programming Languages:	C, C++, Python
Scripting:	Python
Databases:	SQL
CS Fundamentals:	Data Structures and Algorithms, Object-Oriented Programming
Version Control:	Git, GitHub
Soft Skills:	Communication, Problem-Solving, Teamwork, Analytical Thinking

Certifications and Achievements

- SQL Certification from HackerRank.
- Python Certification from Udemy.
- Solved over 250+ coding challenges on GeeksforGeeks and LeetCode.
- Strong understanding of functional and object-oriented programming concepts.