Cheruvupally Nagachaitanya

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Objective

Seeking a **Software Developer Internship** to apply my skills in Java, Python, and full-stack development, gain hands-on experience, and contribute to innovative projects in a dynamic environment.

Technical Skills

- **Programming Languages:** Java, Python, C, SQL
- **Web Technologies:** HTML, CSS, JavaScript, Bootstrap, React, PHP
- **Development Tools:** Git, Google colab, Vs code, JupyterLab
- **Data Visualization Tools:** Power BI
- **Academic courses:** Data Structures & Algorithms, Operating Systems, Computer Networks, Database Management Systems, Object-Oriented Programming
- Machine Learning & Deep Learning concepts

Educational Qualifications

B. Tech, CSE (DS)	BV Raju Institute of Technology (Oct 2022–Present)	8.80/10.0
Intermediate, MPC	Telangana Model School & Junior College (May 2022)	9.56/10.0
SSC	Telangana Model School & Junior College (May 2020)	10.0/10.0

Projects

AI-Powered Audio Description Tool
Problem: Lack of real-time audio descriptions prevents visually impaired users from accessing and understanding visual content effectively.
Technologies Used: OpenCV for image analysis and feature extraction, TensorFlow and Keras for image captioning to generate meaningful and contextually accurate descriptions, and text-to-speech for converting generated captions into seamless audio output.

Java AWT-Based Bus Ticket Booking System
Developed a basic bus ticket booking system using Java AWT, featuring TextField for user input, CheckboxGroup for destination selection, and TextArea for ticket display, with real-time fare calculation through event handling.

Food Recipe Website
Developed a responsive food recipe website using HTML, CSS, and JavaScript with user authentication. Integrated a Python backend to fetch ingredients and cooking instructions based on dish names. The platform allows users to search for recipes, view details, and save their favorite dishes for easy access.

Event Organization

TechQuiz 2025 − Event Organizer
Organized a technical quiz competition at BVRIT, managing logistics, participant coordination, and quiz rounds on general knowledge, programming, and logo identification.

Achievements

- District-level Gold Medalist in Fencing; Competed at State and University of Jammu Championships.

- Lead of the English Readers Club.

Internships

Summer of AI Internship   *May '24 – Jun '24*
Swecha, Telangana

- Collected and documented unique data points, enriching the dataset for the Telugu LLM project, which enhanced language processing accuracy by 15%.

- Acquired advanced skills in AI technologies and data handling, improving the Telugu language model's capabilities, resulting in a 20% increase in language comprehension accuracy.

Workshops

DATATHON – Power BI Workshop
BVRIT

- Gained hands-on experience in data visualization and interactive dashboard creation using Power BI.

- Analyzed HR data to identify trends, attrition patterns, and workforce insights using Power BI.

Certifications

- Java Fundamentals - By Oracle Academy

- Java Foundations - By Oracle Academy

- Python - By NPTEL Swayam

- Python - By CodeChef

- SoftSkills - By NPTEL Swayam

- Mentored a team in Failthon 2023 - BVRIT

- Spoken English - British Council