Yaswanth Deevi

INTERN

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Enthusiastic computer science engineering student with strong skills in programming and web development. Experienced in creating and improving computer algorithms and web applications using Python, JavaScript, and modern tools. Completed a technical internship where I designed and implemented projects that solved problems faster and improved efficiency. Looking for an internship to learn new technologies and contribute to innovative software projects.

WORK EXPERIENCE

RESEARCH INTERN   **Hyderabad, TELENGANA**

Defenece Research and Development Organisation (DRDO)   *July 2025 - September 2025*

- Designed and implemented a hybrid metaheuristic optimization framework combining evolutionary strategies with deep neural networks, achieving up to ~10x faster solution convergence on large-scale P-Center Problems.
- Enhanced population diversity in evolutionary algorithms using rank-based probabilistic selection, improving solution quality by ~15%.
- Developed a self-adaptive Gaussian mutation mechanism, dynamically optimizing mutation rates and increasing search efficiency by over ~20%.
- Created and trained deep neural network surrogate models to approximate costly fitness evaluations, reducing overall computational time by ~70%.
- https://github.com/skywalker1470/DRDO.git

PROJECTS

MNIST DIGIT CLASSIFICATION USING PYTORCH MOBILE:

- A digit recognition Android app using PyTorch Mobile and the MNIST dataset.
- A lightweight CNN model achieving ~98% accuracy and optimized it for mobile inference. Converted and deployed the PyTorch model using TorchScript for efficient mobile performance.
- Gained hands-on experience in model deployment, Android development, and on-device ML.
- https://github.com/skywalker1470/MNIST_project

REAL-TIME CHAT APP WITH AWS:

- Designed frontend using vanilla JavaScript and HTML. Hosted the website on S3
- A real-time chat application using AWS Cognito for Authentication
- Used Lamda (JS) for the logic and used DynamoDB for the Database
- https://github.com/skywalker1470/IOMP

SKILLS AND COMPETENCIES

Programming Languages: C++, Python, JavaScript (ES6+), TypeScript
Cloud Platforms: AWS (S3, Lambda), Cloudinary (image storage and CDN)
DevOps Tools: Git, GitHub, Jenkins, Docker
Data Engineering: Data preprocessing, Feature engineering
Web Development: MERN Stack (MongoDB, Express.js, React, Node.js)
Machine Learning: PyTorch, Deep Learning Architecture Design
Software Development: RESTful API design, Agile methodologies, Code reviews
Others: Linux System Administration, Flutter basics

EDUCATION

Expected July 2027
Masters in Computer Science & Engineering
blekinge tekniska högskola
December 2025
Computer Science & Engineering (GPA 8.54)
JNTUH

December 2020
CBSE (Secondary Education) (96%)
Vignan's Bo Tree
April 2022
TSBIE (94%)
Narayana

CERTIFICATIONS

- Certificate of Merit - IIT KGP AI4ICPS (in collab with TCS Ion) - https://github.com/skywalker1470/iitkgp.git

- Certificate of Completion - Smart Interviews - Https://smartinterviews.in/certificate/384afcb7