

# NAYUNIPATRUNI HARSHA VARDHAN

+91 7386853059 ◇ Rajahmundry, Andhra Pradesh

Email: [harshavardhan53595@gmail.com](mailto:harshavardhan53595@gmail.com) ◇ LinkedIn: [harsha-varadhan.N](#) ◇ GitHub: [N-HARSHAVARDHAN](#) ◇ Portfolio

## SUMMARY

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Computer Science student with hands-on experience in full-stack development, AWS cloud, and low-code platforms like Pega Constellation. Skilled in building applications, automating workflows, and delivering scalable solutions using both code and low-code tools. Looking for an entry-level software developer role to apply technical expertise and grow with a forward-thinking organization.

## EDUCATION

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**B.Tech in Computer Science and Engineering**, Aditya University  
Surampalem, Andhra Pradesh  
CGPA: 8.26 / 10

Nov 2022 – May 2026

## TECHNICAL SKILLS

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**Programming Languages:** C++, Java, Python, C

**Web Development:** HTML, CSS, JavaScript, Node.js, Express.js

**Databases:** SQL

**Cloud:** AWS

**Low-Code Platforms:** Pega

**Tools:** Git, GitHub, Postman

## EXPERIENCE

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**Pega Intern** [[View Certificate](#)]

Jan 2025 – June 2025

*Arteans, Remote*

- Engineered a Hospital Appointment Booking system, reducing manual scheduling errors by 40%.
- Optimized workflows using App Studio/Dev Studio, improving task automation efficiency.
- Implemented exception handling and SLAs, ensuring 99% on-time case resolution.
- Designed data models and UI components, enabling smoother patient-doctor interaction.

**AWS Development Intern** [[View Certificate](#)]

June 2024 – Aug 2024

*Technical Hub, Surampalem, Kakinada*

- Automated EC2 lifecycle operations (start, stop, reboot, terminate) with Python + Boto3, reducing manual effort by 80%.
- Designed backup workflows via CloudWatch Events and Lambda, ensuring 100% recovery readiness.
- Launched a static website on AWS S3 + EC2, improving availability and scalability for student projects.
- Explored DynamoDB and integrated IAM security policies for safe cloud access.

## PROJECTS

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**Fitness Recommendation System - [GitHub](#)**

Aug 2025 – Sep 2025

- Developed a full-stack fitness app with secure signup/login, profile management, and responsive dashboards.
- Built dynamic logic to generate personalized diet and workout plans using user BMI, weight, height, and fitness goals.
- Integrated Node.js with MySQL for authentication and scalable data persistence.

- Designed and integrated an intelligent chatbot powered by **Google Gemini API**, delivering highly personalized real-time fitness and diet recommendations.

### **Movie Recommendation System using Machine Learning - [GitHub](#)**

July 2025 – Aug 2025

- Developed a content-based recommendation engine using TF-IDF + cosine similarity.
- Processed 5,000+ movie metadata records, achieving 85% relevance in recommendation tests.
- Built an interactive Streamlit UI for real-time recommendations to end users.

### **Automated EC2 Instance and Snapshot Management - [GitHub](#)**

July 2024 – Aug 2024

- Built Lambda-based automation for EC2 lifecycle tasks, saving 10+ hours/month of manual operations.
- Implemented EBS snapshot policies, strengthening disaster recovery and reducing downtime risk.
- Secured services via IAM roles, ensuring compliance with cloud security standards.
- Integrated CloudWatch event triggers to schedule EC2 operations and snapshot creation automatically

## **CERTIFICATIONS**

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**AWS Certified Developer – Associate - [View](#)**

**Certified Pega System Architect - [View](#)**

**Postman API Fundamentals Student Expert - [View](#)**

**CCNA: Introduction to Networks - [View](#)**

**Docker Essentials: A Developer Introduction - [View](#)**

**NDG Linux Unhatched - [View](#)**

## **CODING PROFILES**

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**LeetCode:** [leetcode.com/harsha\\_vardhan12345](https://leetcode.com/harsha_vardhan12345)

**GeeksforGeeks:** [geeksforgeeks.org/user/harshavardj9hm](https://geeksforgeeks.org/user/harshavardj9hm)

**Hackerrank:** [hackerrank.com/harshavardhan535](https://hackerrank.com/harshavardhan535)

**CodeChef:** [codechef.com/users/harsha3333](https://codechef.com/users/harsha3333)