

# NAYUNIPATRUNI HARSHA VARDHAN

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## 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. Seeking 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

Nov 2022 – May 2026

Surampalem, Andhra Pradesh

CGPA: 8.26 / 10

## 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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**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.

**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.

## PROJECTS

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**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.

### **Hospital Appointment Booking System - [GitHub](#)**

Jan 2025 – June 2025

- Designed and deployed appointment workflows in Pega, cutting booking turnaround time by 30%.
- Modeled patient–doctor data structures, enabling scalable management of 500+ records.
- Automated routing with When Rules, ensuring accurate doctor allocation.

### **Serverless Video Streaming App using AWS and FSD**

June 2025 – July 2025

- Delivered a real-time video streaming platform using Amazon IVS + Lambda, supporting 100+ concurrent users.
- Optimized asset delivery by storing and serving video data via AWS S3.
- Deployed backend APIs with API Gateway, achieving sub-second response latency.
- Built responsive UI with HTML, CSS Grid, and JavaScript for cross-device access.

### **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.

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

Aug 2025 – Sep 2025

- Engineered a full-stack fitness app with secure signup/login, profile updates, and personalized dashboards.
- Designed logic to generate tailored diet + exercise plans based on weight, height, and goals.
- Integrated Node.js + MySQL backend for authentication and scalable data persistence.
- Delivered responsive frontend with HTML, CSS, and JavaScript, improving mobile usability by 30%.
- Implemented an interactive chatbot using Together AI API, enabling users to get real-time fitness guidance within the dashboard.

## **CERTIFICATIONS**

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

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

**Cisco Certified Ethical Hacker - [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)

**GitHub:** [github.com/HARSHAVARDHAN19845](https://github.com/HARSHAVARDHAN19845)

**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)