

# 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. 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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**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.
- Integrated CloudWatch event triggers to schedule EC2 operations and snapshot creation automatically.

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

June 2025 – July 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.

## SmartCourier Management System (Pega)- [GitHub](#)

July 2025 – Aug 2025

- Developed a courier system on Pega covering the full process: user login, terms acceptance, sender/receiver details, order placement, payment, pickup, and delivery.
- Designed logic to validate orders; items above 1kg automatically routed to Manager for approval or rejection.
- Automated email notifications for rejection, cancellation, feedback, and successful delivery status updates.
- Secured data using Data Pages for user login validation and record storage.

## 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.
- 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)