

# BANDIKATLA SAI SATYA KARTHIKEYA

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## EDUCATION

### Aditya University

Bachelor of Technology in Computer Engineering, CGPA: 7.0

Andhra Pradesh, India

July 2022 - Expected July 2026

## EXPERIENCE

### Aws Development Intern

Technical Hub

Surampalem, India

June 2024 - August 2024

- Enhanced data storage solutions in Amazon S3, improving data retrieval speed by 30% for 1000+ files, managing 10+ TB of data.
- Engineered AWS Lambda applications that streamlined backend processes, achieving a remarkable 40% reduction in processing time across over 200 tasks.

### Artificial Intelligence & Machine Learning Intern

Edunet Foundation

Eluru, India

May 2024 - June 2024

- Enhanced the accuracy of a sentiment analysis project using Python, achieving 85% accuracy
- Processed and analysed datasets from 500+ datasets and movie reviews, improving model performance through data cleaning and feature extraction.

## COMPETENCY

- LeetCode:** Tackled 100+ data structure challenges, demonstrating advanced analytical and technical skills.
- CodeChef:** Solved over 500+ problems with consistent performance in weekly contests (Division 2)
- GeeksforGeeks:** Completed 250+ problems, achieved a notable Campus Rank:
- Hacker Rank:** Earned 5+ badges and certifications across diverse Programming Languages

## PROJECTS

### Strong Password Generator: HTML, CSS, and JavaScript

- Initiated a password generator using, creating passwords with up to more than 100 characters, including uppercase, lowercase, numbers, and special symbols. Launched on AWS Elastic Beanstalk with configurations stored in AWS S3, supporting over 500 users.

### Conversational AI Bot: Deep Learning, HTML, CSS, Python and JavaScript

- Created a Conversational AI Bot using natural language processing to understand and respond to user intent and sentiment. Achieved 86% accuracy in identifying 15,000+ datasets, processed over 1,000 user interactions daily, and delivered personalized responses in under 5 seconds.

### Netflix Clone (Front End): HTML, CSS, and JavaScript

- Crafted an intuitive user interface for a streaming platform prototype, ensuring seamless navigation for viewers; successfully launched the application on AWS S3, efficiently managing bandwidth for 5,000 active users simultaneously.

### YouTube Clone (Front End): HTML, CSS, and JavaScript

- Completed the front end of a YouTube clone, creating a responsive interface for 50+ videos and channels. Expanded it using AWS S3, supporting up to 5,000 concurrent users with dynamic content display and smooth navigation.

### Full Stack Movie Booking Site: HTML, CSS, and JavaScript, DynamoDB

- Created a full-stack movie booking site with dynamic listings for 15+ movies, enabling users to browse, select shows, and book tickets. Integrated DynamoDB for managing booking details and user authentication, handling transactions and login information for 100+ active users.

## **Full Stack Amazon Web application:** *HTML, CSS, and JavaScript, DynamoDB*

- Assessed a full-stack Amazon-like web application with dynamic product listings for 100+ items. Implemented user browsing, cart management, and shopping experience features. Integrated DynamoDB for handling transactions and storing user data, supporting 50 concurrent users.

## **SKILLS**

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- **Languages:** Python, C++, Java, JavaScript, HTML5, CSS3, SQL
- **Technologies:** Git, Linux, TCP/IP
- **Core Competencies:** Data Structures, Algorithms, Object-Oriented Programming
- **Databases:** MYSQL, DynamoDB, RDS
- **Cloud Technologies:** Google Cloud Platform, Microsoft Azure, AWS Cloud Platform
- **Tools:** Flutter, Figma, Adobe
- **Soft Skills:** Problem Analysis, Communication, Leadership, Team Work, Management, Resiliency

## **CERTIFICATIONS**

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- **Artificial Intelligence Fundamentals: IBM Skills Build** - Completed a course on AI principles and Covered 5 major AI concepts and 20 practical assignments.
- **AWS IT Professionals: AWS** - Overview of AWS services for IT professionals, including 10 core AWS services and 15 use cases.
- **AWS Academy Cloud Foundations: AWS** - Foundational knowledge in cloud concepts and AWS services, with 12 hands-on labs and 5 case studies.
- **C Certificate: Cisco NetAcad** - Proficiency in C programming, including 50+ coding exercises and 10 projects.
- **CCNA: Cisco NetAcad** - Cisco Certified Network Associate, networking fundamentals, with 20+ network configuration tasks and 5 simulation exams.
- **HTML & CSS IT Specialist: Certiport** - Web development with HTML5 and CSS3, covering 8 projects and 25 coding challenges.
- **Java Foundations: Oracle Academy** - Basics of Java programming, with 30 coding challenges and 10 mini-projects.
- **Java IT Specialist: Certiport** - Java programming for IT professionals, including 50+ coding exercises and 10 real-world applications.
- **Java Programming: Oracle Academy**- Advanced Java programming concepts, with 40+ coding exercises and 8 projects.
- **Python Certificate: Cisco NetAcad** - Python programming essentials, including 60+ coding exercises and 15 projects.
- **Software Engineering: Infosys** - Software engineering principles and practices, with 10 case studies and 5 major projects.