

Uday Manikanta Pennada

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Internship

Web Development Intern

Jan 2024 - Mar 2024

Rinex Technologies

- Built two dynamic web applications: Hospital Management System and Electricity Website using HTML, CSS, and JavaScript.
- Automated web data collection through custom scripts, effectively streamlining repetitive tasks.
- Assisted in the development of scalable APIs using Node.js, improving API response times by 15% through optimized coding practices.

Projects

AWS DataStream Pipeline Kinesis

Aug 2025

- Designed a scalable AWS Lambda leveraging S3 events and Kinesis Streams for real-time file metadata processing.
- Developed Producer Lambda to stream Consumer Lambda to process txt files with content logged to CloudWatch.
- Implemented robust error handling, multi-file support, and reliable processing with Kinesis Streams integration.
- **Technologies used:** AWS(Lambda, S3, IAM, CloudWatch), Amazon Kinesis Data Streams, Python.

mediSTAR - Hospital Management System

Mar 2024

- Collaborated closely with a team of two skilled developers to build a hospital management platform.
- Doctors reported approximately 30% faster access to patient records, significantly enhancing the speed of patient care.
- Used JavaScript for real-time updates, validation, and generating content for dynamic resume sections like education.
- Gained hands-on proficiency in modern front-end development and core UI/UX principles.
- **Technologies used:** HTML, CSS, JavaScript
- Github Repository Link: github.com/udaymanikanta/hospitalManagementSystem

Certifications

Microsoft Certified: Azure Administrator Associate | Microsoft

Apr 2025

<https://learn.microsoft.com/DAD32D300D15C80C>

IBM DevOps and Software Engineering | Coursera

Nov 2024

<https://www.coursera.org/certificate/FC4LRRDTJ9NY>

Dynamic Programming, Greedy Algorithms | Coursera

Mar 2024

<https://coursera.org/1f720166f1b35a6ef65a93ebf45ed7ed>

Approximation Algorithms and Linear Programming | Coursera

Apr 2024

<https://www.coursera.org/account/verify/YEXR458EGHUY>

Technical Skills

Languages: C++, Java

Technologies: Git, GitHub, Ubuntu, Docker, Kubernetes, Apache Cloudstack

Skills: Web Development, Containers & Orchestration, Building and managing solutions on AWS, DSA, Adaptability, Teamwork.

Education

Lovely Professional University

2022 - 2026

Computer Science and Engineering - CGPA: 6.85

Jalandhar, Punjab

Resonance Eduventures Limited

2020 - 2022

Intermediate - Percentage: 65%

Vijayawada, Andhra Pradesh

Sikhara School

2016 - 2020

10th Grade - Percentage: 96%

Vijayawada, Andhra Pradesh