

Desh Aditya Chelluboina

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Professional Summary

Seeking an opportunity to enhance my creative and innovative abilities by contributing to impactful projects, while continuously learning and applying new skills in a dynamic, growth-oriented environment. Skilled in JavaScript, Node.js, and AI integration with demonstrated experience in developing innovative solutions for education and travel domains. Strong problem-solving abilities with active participation in competitive programming.

Education

B.Tech in Information Technology

July 2024 – Present

Vignan's Institute of Information Technology, Visakhapatnam

- Current CGPA: 8.7/10.0
- Relevant Coursework: Data Structures, Algorithms, Web Technologies, Database Management Systems

Diploma in Computer Science and Engineering

Graduated May 2024

SMT.B.Seetha Polytechnic College, Bhimavaram

- Percentage: 87%
- Specialized in computer programming fundamentals

High School

2016 – 2021

KVLP.Z.P High School, Mogalikuluru

Core Subjects

Computer Science Fundamentals: Operating Systems (OS), Computer Networks (CN), Database Management Systems (DBMS), Software Engineering, Computer Fundamentals

System Design & Architecture: Understanding of distributed systems, database design principles, network protocols, and software development lifecycle methodologies

Technical Skills

Programming Languages: JavaScript, C++, Python, HTML5, CSS3

Frameworks & Libraries: Node.js, Express.js, React.js (learning)

Databases: MongoDB, MongoDB Atlas, Firebase Firestore

Cloud & Authentication: Firebase, AWS, JWT Authentication, Google Sign-In

AI & Machine Learning: Hugging Face API, Gemini 1.5 Flash

Tools & Technologies: Git, GitHub, VS Code, Postman, RESTful APIs

Projects

AI-Driven Study Plan Generator

GitHub Repository

- Developed responsive web application enabling students to generate personalized study plans using AI integration with Hugging Face API
- Implemented secure Firebase Authentication with Google Sign-In and Firestore database for user-specific data management

- Created intuitive dashboard UI with modal-based history viewing and plan deletion functionality
- Built RESTful API endpoints using Node.js and Express.js for seamless frontend-backend communication
- **Technologies:** HTML5, CSS3, JavaScript, Node.js, Firebase, Hugging Face AI, RESTful APIs

AI Travel Itinerary Generator

GitHub Repository

- Engineered comprehensive travel planning application that generates customized itineraries based on user preferences
- Integrated JWT-based authentication system ensuring secure user access and data privacy protection
- Implemented MongoDB database for persistent storage of user itineraries with full CRUD operations
- Developed PDF generation functionality allowing users to download itineraries for offline access
- Utilized Gemini 1.5 Flash API for intelligent trip planning and optimization algorithms
- **Technologies:** HTML5, CSS3, JavaScript, Node.js, Express.js, MongoDB, Gemini AI, JWT

Competitive Programming

LeetCode: Solved 247+ problems with 56-day current streak and 262 active days

CodeChef: Active participant with 1271 rating, regular contest participation

Data Structures & Algorithms: Proficient in C++ and Python implementations

Certifications & Training

Python Essentials Certification

Cisco Networking Academy

- Completed comprehensive Python programming course covering fundamental concepts and practical applications

AWS Cloud Computing Workshop

APSSDC (15 Days)

- Gained hands-on experience with AWS services and cloud computing fundamentals
- Learned cloud architecture principles and deployment strategies

Hackathons & Events

Vista Hackathon - Education Theme

Team of 4 members

- Developed solution addressing student challenges in finding quality educational resources
- Utilized full-stack development skills with HTML, CSS, JavaScript, Node.js, Firebase, and Hugging Face AI
- Enhanced collaborative development skills and learned agile project management principles

Additional Information

Languages: English (Fluent), Telugu (Native).

Interests: Artificial Intelligence, Machine Learning, Web Development, Open Source Contributions