

HUMESH REDDY VENKATAPURAM

Longmont, Colorado

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EDUCATION:

Masters in Computer Science

New Mexico State University - CGPA: 3.5

August 2022 - May 2024

Bachelors in Computer Science and Engineering

SRM Institute of Science and Technology

July 2017 - June 2021

Relevant Coursework: Data Structures and Algorithms, Database Management Systems, Object Oriented Programming, Operating Systems, Machine Learning, Modern Web Technologies, Design and Analysis of Algorithms, and Advanced Artificial Intelligence in Agriculture

TECHNICAL SKILLS:

Programming Languages: C++, C#, Java, Python, JavaScript

Web & Java Technologies: HTML, CSS, Bootstrap, AngularJS, ReactJS, NodeJS, PHP, Django, RESTful API

Database: MySQL, MongoDB, Oracle Database, PostgreSQL

Cloud Platform: Amazon Web Services

IDEs (Development): Eclipse, Visual Studio, MySQL Workbench, PyCharm

Tools: Git, Maven, Gradle, Zoho Analytics

Certifications: AWS Certified Cloud Practitioner, Data Analysis and Visualization - Power BI, Advanced Data Visualization with Tableau

WORK EXPERIENCE:

Teaching Assistant - New Mexico State University

August 2023 - May 2024

Engineering Technology and Information Systems

Las Cruces, New Mexico

- Served as a lab instructor for **Data Structures, Computer Networks I, Communication Network Security, Advanced Computer Networking, and Information Systems I**. Gave live demos on **‘Wireshark and CISCO Packet Tracer’** for 300+ students.

Web Developer

May 2023 - August 2023

New Mexico State University

Las Cruces, New Mexico

- Worked on a government project called the **‘Critical Approaches to Place’** and supported the **‘Department of Art’** by designing a user-friendly website using **HTML, CSS, JavaScript, Bootstrap, and XML**, while maintaining content updates and fixing bugs enhancing the user experience by 80%. Experience with Content Management Systems using Cascade CMS and WordPress.
- Improved website’s load time by over 70% during high traffic periods by optimizing the code to minimize render blocking elements.

Software Engineer

June 2020 - August 2022

Unosis IT Solutions Pvt Ltd.

Bengaluru, India

- Worked for a major MNC on the complete software development lifecycle for complex web applications.
- Designed and deployed scalable web applications using **Java, React.js, and Spring Boot** to deliver secure and efficient solutions, enhancing user accessibility and performance.
- Integrated **Oracle, PostgreSQL, and MongoDB** databases to streamline data handling, reducing response time by 25%.
- Implemented **RESTful APIs** and automated build processes using **Maven** and **Gradle**, ensuring seamless integration between client-side and server-side components, improving application performance and scalability.
- Integrated **AWS services** such as **Lambda, S3, and DynamoDB** to manage back-end processing and data storage, improving scalability and data management.
- Deployed applications using **Docker** containers and AWS Console services, ensuring consistent environments across development, testing, and production, improving deployment efficiency.
- Created modular, reusable **React** components for better maintainability, reducing redundant code across the front-end development.

Student Assistant

July 2019 – May 2021

SRM Institute of Science and Technology

Chennai, India

- Worked with **ERP systems (eVarsity, Zoho ERP)** to manage student records and created dashboards in **Zoho Analytics** for real-time data.

Network Engineer - Intern

May 2020 - July 2020

Bharat Sanchar Nigam Limited (BSNL)

Tirupati, India

- Developed **Python** scripts to optimize network traffic and enhance data transmission rates, improving network performance by 15% and debugged and tested network protocols, ensuring compliance with industry standards

PROJECTS:

BUDLY - Budget Friendly | ReactJS, JavaScript, jQuery, AJAX, Node.js, Express.js, RESTful APIs, MongoDB

- A user-friendly e-commerce platform enabling budget-conscious individuals to buy and sell items

Intelligent Travel Planning System | PHP (Laravel), Python, MySQL, Vue.js, Weather API, Events API, Google Maps API, Docker, Redis

- A travel planner to generate personalized itineraries with weather, events, and location-based data

Automatic Question Paper Generator | AngularJS, HTML, CSS, jQuery, AJAX, Node.js, Express.js, RESTful APIs, PL/SQL, Oracle DB

- A web-based tool utilizing AngularJS, Node.js, and Oracle DB to automate and customize the creation of question papers

Distributed File Storage System | C#, gRPC, .NET Core, MongoDB

- A scalable file storage solution built with C# and gRPC, enabling efficient distributed file management and MongoDB integration