

VALAVALA RAJESWARI

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Profile Summary

- Proven ability in designing and developing scalable web applications using modern full stack technologies.
- Proficient in building user-friendly front-end interfaces with React, Html5,or Css3, ensuring seamless user experiences.
- Strong command over back-end frameworks such as Node.js enabling efficient server-side logic and API integrations.
- Experienced in working with relational and NoSQL databases (MySQL, MongoDB) to ensure robust data management.

Education

Rajiv Gandhi University Of Knowledge Technologies

Sep. 2021 – May 2025

Bachelor of Technology in Computer Science and Engineering

Ongole, Andhrapradesh, CGPA: 8.86

Relevant Coursework

- | | | |
|-----------------------|---------------------------|-------------------------|
| • Data Structures | • Database Management | Interaction |
| • Operating Systems | • Artificial Intelligence | • Data Mining |
| • Algorithms Analysis | • Human Computer | • Computer Architecture |

Projects

Online Examination System | *Html,Css,Javascript,Php,MySql*

December 2023

- Developed a web-based platform for conducting online examinations using Html, Css, and JS for the front-end interface.
- Implemented PHP for server-side logic to manage user authentication, question retrieval, and result processing.
- Designed a MySQL database to store user data, questions, and exam results securely and efficiently.
- Incorporated dynamic features like timer-based exams, question randomization, and automatic result calculation to enhance functionality and user experience.

Driver Drowsiness Detection System | *Python, Machine Learning*

July 2024

- Developed a Driver Drowsiness Detection System using Python and Machine Learning to enhance road safety.
- Implemented OpenCV and Deep Learning models to detect drowsiness based on eye movement and facial landmarks.
- Processed real-time video input to monitor driver alertness and trigger alerts when signs of drowsiness are detected.

Online Auction System | *Django(python),Html,Css,Javascript,SQLite*

November 2024

- Developed an Online Auction System using Django, Python, HTML, CSS, JavaScript, and SQL for efficient bidding.
- Implemented user authentication and real-time bidding functionality to enhance user experience.
- Integrated a SQL database to store user details, auction items, and bid history securely.

Solar Power Prediction Using Linear Regression | *AI/ML (Python), Pandas, NumPy, Scikit-learn.*

January 2025

- Developed a Solar Power Prediction model using Python, Pandas, NumPy, and Scikit-learn.
- Implemented Linear Regression to forecast solar power output based on environmental factors.
- Preprocessed data by handling missing values, normalizing features, and analyzing correlations.
- Visualized relationships between variables using scatter plots and heatmaps for better insights.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL, MongoDB

Developer Tools: VS Code, Eclipse

Technologies/Frameworks: Linux, GitHub, JUnit, WordPress,React

Certifications / Extracurricular

Artificial Intelligence

Teachnook

- Successfully completed the course on Artificial Intelligence.

June 1 – July 31, 2022

Certification ID: 4126361263

MongoDB

Great Learning

- Successfully completed the course on MongoDB.

Digital Marketing Tools & Techniques

Simplilearn

- Certified with Certificate ID: 4539984.

Sep 27, 2023

AI & ML Internship

YBI Foundation

- Successfully completed the internship.
- Certification ID: JO96I8GPWUZGS.

Sep 25, 2023

Frontend Web Development Webinar

CodeClause

- Attended and participated successfully.

Oct 5, 2023

Full Stack Web Development Demo

Edureka

- Attended the internship demo session.

Oct 6, 2023

Web Development & Designing Internship

Oasis Infobyte

- Successfully completed the internship.
- Certification ID: OIB/O2/IP614.

Nov 15, 2023

Viksit Bharat 2047 Initiative

Government Initiative

- Contributed ideas towards national development.

Software Development Life Cycle Workshop

Techkriti'24, RGUKT-Ongole

- Attended hands-on workshop on SDLC.
- Certification ID: SSIT-2024-0121.

March 22-23, 2024

Frontend Development with React

IBM

- Certified with Certificate ID: 4ea7697e06d54277baeb79b8ca6a1d08.

May 2, 2024

Data Analysis with Excel

IBM

- Certified with Certificate ID: 9972e0bb8f164aed8ac74199561e3588.

Apr 28, 2024

Introduction to SQL

IBM

- Certified with Certificate ID: b4eac0002ae044ef9c1f51520f67d194.

Apr 26, 2024

Software Engineering Job Simulation

Accenture via Forage

- Gained experience in architecture, security, programming, testing, and Agile methodologies.

Jan 2025