

# VALAVALA RAJESWARI

1-73 Komallapudi, Machilipatnam, Andhrapradesh-521324

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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.

**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.
- 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**

**June 1 – July 31, 2022**

*Teachnook*

*Certification ID: 4126361263*

- Successfully completed the course on Artificial Intelligence.

**Frontend Development with React**

**May 2, 2024**

*IBM*

- Certified with Certificate ID: 4ea7697e06d54277baeb79b8ca6a1d08.

**Data Analysis with Excel**

**Apr 28, 2024**

*IBM*

- Certified with Certificate ID: 9972e0bb8f164aed8ac74199561e3588.

**Introduction to SQL**

**Apr 26, 2024**

*IBM*

- Certified with Certificate ID: b4eac0002ae044ef9c1f51520f67d194.

**Software Engineering Job Simulation**

**Jan 2025**

*Accenture via Forage*

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