

# Lalam Ratnakar

Reg No.: 21BCE9833

Bachelor of Technology

Vellore Institute of Technology, Amaravati

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## EDUCATION

- **Vellore Institute of Technology, Amaravati** 2021-25  
Bachelor of Technology in Computer Science and Engineering (Data Analytics) CGPA: 8.31
- **Tirumala Junior College, Visakhapatnam-Intermediate** 2019-21  
Board of Intermediate Education, Andhra Pradesh Percentage: 97.8
- **Ravindra Public School, Rambilli-Secondary Education** 2018-19  
Board of Secondary Education, Andhra Pradesh CGPA: 9.8

## EXPERIENCE

- **SmartBridge** 21-Aug-2023 to 21-Nov-2023  
Data Analyst
  - Worked on Solar Panel Forecasting project to enhance the accuracy and efficiency of solar energy predictions.
  - Created a website to display our analysis through IBM Cognos Tableau Dashboards.
  - Technology Used: IBM Cognos Tableau, HTML, CSS, SQL

## PERSONAL PROJECTS

- **Solar panel Forecasting** November 2023  
SmartBridge
  - "Solar Panel Forecasting" aims to contribute in enhancing the efficiency of solar energy predictions. This entails gaining practical insights into real time forecasting challenges.
  - Technology Used: SQL, IBM Cognos Tableau, HTML, CSS, Agile Scrum.
- **Smart Parking** March 2023  
VIT AP
  - Smart parking system enables users to find vacant parking spots easily near their destination which is especially useful in urban areas.
  - Technology Used: Python, Raspberrypi, Sensors and Micro Controllers
- **A web application for Hostel Management System** August 2023  
VIT AP
  - Designed web application hostel management to assist the students and others in using the application in easy way
  - Technology Used: HTML, CSS, JAVASCRIPT, PHP, MYSQL
- **Alcohol Detector** July 2023  
VIT AP
  - The "Alcohol Detection System for Vehicle Safety" project aims to develop a comprehensive solution to prevent individuals under the influence of alcohol from driving.
  - Technology Used: Arduino Programming, C

## TECHNICAL SKILLS AND INTERESTS

**Languages:** Java, Python, HTML&CSS, R Programming

**Technologies & Tools:** Hadoop, Tableau

**Databases** Relational Database (Sql)

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System

**Areas of Interest:** Web Design and Development, Data Analytics

**Soft Skills:** Problem Solving, Self-learning, Presentation, Adaptability

## CERTIFICATIONS

- SmartInternz - Data Analytics Collaborated with IBM and NEAT
- Microsoft Azure Administrator AZ - 104