

Venkata Lakshman Kumar

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About me

Skilled Software Engineer with a B.Tech. in Computer Science, proficient in Java and Python. Highly motivated and results-oriented with a strong work ethic and a passion for the industry. Proven ability to rapidly acquire new skills and apply them to real-world challenges. Experienced in Unix/Linux environments, distributed systems, machine learning, and TCP/IP. Eager to contribute my expertise to a dynamic team and drive the company's success.

Projects

Online Railway Reservation System

Technologies: PHP, MySQL, HTML, CSS, React, JavaScript

- Engineered a comprehensive railway reservation system, integrating user registration, real-time train search, ticket booking, and secure payment processing.
- Enhanced user interface with dynamic components using React.js, boosting user engagement by 30%.
- Optimized backend processes, cutting ticket booking time by 25%.

Banking Investment Prediction

Technologies: AI, ML, Flask, Git, Python

- Developed a prediction system using AI and machine learning algorithms, achieving 85% accuracy in investment outcomes.
- Created a user-friendly frontend for data input and visualization, increasing data submission efficiency by 40%.
- Managed backend operations with Flask, handling over 1,000 predictions daily with minimal latency.

Online Learning Platform

Technologies: MongoDB, Express, React, Node.js

- Built an online learning platform utilizing the MERN stack, supporting over 500 active users.
- Implemented features such as user authentication, course management, real-time chat, and progress tracking, enhancing course completion rates by 20%.
- Improved server performance to handle 200 concurrent users without downtime.

Experience

- PHOTON CLUB VIT – AP (2022-2024)**

Participated in club activities and events, enhancing technical and collaborative skills.
Guided junior members on project development and coding best practices.

- INDUSTRIAL INTERNSHIP AT SMARTBRIDGE-SMARTINTERNZ**

Led a team in analyzing Olympic sports data, focusing on data cleaning and preprocessing. Enhanced visualizations and dashboards using IBM Cognos, Tableau, and Power BI, effectively communicating insights to support data-driven decision-making. Demonstrated leadership and technical skills in creating actionable dashboards and interpreting complex data sets for strategic decisions.

- INTERN AT INTRAIN TECH**

Engineered an AI-driven investment prediction system with 85% accuracy, streamlined data input and visualization with an efficient frontend, and enhanced backend performance and scalability through cloud deployment.

Certifications & Participations

- Data Analytics (Nov. 2023) - [Smartinternz](#)
- Introduction to R (Aug. 2022) - [Great learning](#)
- Flipkart GRiD 5.0 - Software Development Track (Aug. 2023) - [Unstop](#)
- ITT Summer Internship AI ML (Jan. 2024) - [INTRAIN TECH](#)

Education

Bachelor of Technology in Computer Science

Vellore Institute of Technology, Andhra Pradesh

CGPA: 8.23 (2021-2025)

Class XII

Narayana Junior College, MPC

Percentage: 95.1 (2019-2021)

Class X

Sri Chaitanya School

CGPA: 9.8 (2019-2019)

Skills

- **Programming Languages:** Python (Advanced), Java (Advanced), R(Basic)
- **Data Structures & Algorithms:** Completed projects and coursework focused on data structures and algorithms.
- **Systems & Tools:** Unix/Linux environments, distributed systems, machine learning, TCP/IP, Git
- **Data Visualization:** Microsoft Power BI
- **Software:** Canva, Figma
- **Soft Skills:** Creative Problem-Solving, Teamwork, Active Listening**Skills**
- **Data Visualization:** Microsoft Power BI

Languages

- Telugu (Native)
- English (Fluent)
- Hindi (Basic)
- French (Basic)