

# Chintan Lad

*Software Development Engineer*

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Driven by a childhood curiosity, I tinkered with game setups on a slow PC and configured wireless printers in my father's shop. I am a meticulous and collaborative Software Engineer. Skilled in C/C++, Python, JavaScript, SQL, and full-stack development, I excel at transforming complex problems into intuitive, user-friendly applications. Passionate about leveraging data analytics, AI frameworks, and cloud technologies to deliver robust, scalable solutions with precision and promptness, I thrive in agile teams dedicated to innovation and excellence.

## Education

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### B.Tech in Computer Science and Business Systems

*Sept 2022 – May 2026*

*Vellore Institute of Technology, Andhra Pradesh*

- CGPA: 8.2
- Relevant Coursework: Data Structures and Algorithms, Database Management System, Operating Systems, Computer Networks, Object Oriented Programming, and Agile Development.

## Work History

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### IBM SkillsBuild Internship on AI & Cloud Technologies

Edunet Foundation

July 2025 – Aug 2025

- Completed hands-on projects, including crop recommendation with AutoAI, chatbot with IBM Watsonx Assistant, and retrieval-augmented generation using LangChain.
- Participated in weekly mentor-led sessions, cloud labs, and achieved certification by developing and presenting a real-world AI project.

## Projects

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### CFOP-Based Rubik's Cube Solver

- High-performance C++ CFOP solver using IDA\* and pattern-database heuristics, achieving 65M+ nodes/s.
- Exposed WebAssembly interface for real-time Three.js animations.

### Walmart Sales Data Analysis

- Analyzed Walmart sales with Python (Pandas, Matplotlib) and SQL to profile trends and profitability.
- Delivered Jupyter reports and recommended ETL/dashboard automation.

### Load Forecasting for Greenfield Cities

- ML solution (Random Forest, XGBoost, Linear Regression) for urban load forecasting; integrated live API data.
- Achieved 94.2% accuracy (MAPE 5.78%) and provided capacity planning insights.

## Skills

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**Programming Languages:** C++, Python, JavaScript, SQL

**Web & Frameworks:** HTML, Tailwind CSS, React.js, Node.js, Express.js, RESTful APIs

**Databases:** MongoDB

**Cloud & DevOps:** AWS, Oracle Cloud Infrastructure, Git/GitHub

**Tools:** BigQuery, Looker Studio, Pandas, Matplotlib, Tableau, Power BI, LangChain

## Certificates

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- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional (Score: 94/100)
- AWS Cloud Practitioner Essentials by AWS Academy
- Google Cloud Data Analytics Certificate
- LFS101 Introduction to Linux (The Linux Foundation)
- Machine Learning with Python – Level 1 (IBM)