VEMU MERVIN LINCOLN

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Technical Skills

- **Languages:** Java, Python, JavaScript, TypeScript, SQL, HTML, CSS

- **Frameworks & Libraries:** Spring Boot, ReactJS, Pandas, NumPy, Scikit-learn, Streamlit

- **Databases:** SQL (SQLite), DBMS, Neo4j

- **Developer Tools:** GitHub, VS Code, Linux, IntelliJ IDEA, MySQL Workbench, Postman

- **Core Concepts:** Data Structures & Algorithms, Object-Oriented Programming (OOP), DBMS, Computer Networks, Operating Systems, Natural Language Processing (NLP), Machine Learning

EDUCATION

Bachelor of Technology	Andhra University (CSE), 2021-2025	**CGPA – 8.44/10.0**
Class XII	Sri Chaitanya ICON campus, 2019-2021	**Marks – 648/1000**
Class X	Sri Chaitanya Techno School, 2018-2019	**GPA – 9.7/10.0**

EXPERIENCE

Software Engineer Intern   **Zessta Software Services Pvt. Ltd.**
March 2025 – Present

- Underwent training in a full-stack (JAVA) development environment, focusing on enterprise-level technologies.

- Gaining hands-on experience with Java, Spring Boot for backend services, and ReactJS with TypeScript for frontend development.

- Learning DevOps fundamentals, including version control with Git and containerization concepts with Docker and Kubernetes.

Cyber Security Intern   **Indian Institute of Science (IISc), Bangalore (Paid)**
May 2024 – June 2024

- Worked in a research project focused on cybersecurity and ethical hacking within the power systems domain.

- Gained hands-on experience with Kali Linux and its tools, including performing small-scale ethical hacking attacks such as cracking WPA/WPA2 encrypted Wi-Fi networks.

Backend Development   **Free-Lancing**
December 2024 – January 2025

- Built RESTful APIs with Java and Spring Boot for efficient client-server communication.

- Designed and implemented database schemas, queries, and stored procedures for SQL database to handle data storage and retrieval.

- Worked with JSON for data exchange between services and client applications, ensuring optimal data processing and response time.

Machine Learning Intern   **Nodeitx (Part-time, Paid)**
October 2023 – March 2024

- Worked in a project focused on multi-document text extraction and named entity recognition for automated data integration into a Neo4j graph database.

- Developed a solution that automatically extracts relevant text and recognizes important entities from uploaded documents, ensuring smooth integration into the Neo4j system.

Advanced Data Analytics Intern   **EY Global Delivery Services**
December 2022 – January 2023

- Completed a 6-week intensive program on advanced data analytics and its business applications.

- Developed a predictive model using Python to forecast healthcare outcomes for diabetic patients.

PROJECTS

Full-Stack Meeting Room Booking System

- Designed and developed a complete meeting room booking application to streamline resource scheduling and prevent booking conflicts within a corporate environment.

- Engineered the backend using Spring Boot, creating a full suite of REST APIs for managing users, rooms, amenities, and bookings with complete CRUD functionality.

- Built a dynamic and interactive frontend with ReactJS, allowing users to view room availability, manage personal bookings, and interact with system resources in real-time.

- Implemented role-based access control, providing distinct administrative privileges for managing users, rooms, and company-wide bookings, separate from standard employee self-service functions.

- Technologies Used: Java, Spring Boot, Spring Data JPA, MySQL, ReactJS, Git, Postman.

NLP-Based Resume Screening System   **Final Year Project**

- Designed and developed an end-to-end intelligent recruitment tool to automate and enhance the hiring process by intelligently parsing and ranking candidate resumes against job descriptions.

- Implemented semantic similarity techniques (beyond simple keyword matching) to improve candidate-job fit accuracy, reducing screening time from hours to minutes.

- Engineered the complete system architecture, including resume parsing, semantic matching algorithms, candidate shortlisting, and automated email invitations via SMTP.

- Built a user-friendly and interactive web interface using Streamlit for easy use by HR personnel.

- Technologies Used: Python, PyMuPDF, NumPy, Pandas, Scikit-learn, Streamlit, SQLite.

CERTIFICATIONS & ACHIEVEMENTS

- **Cyber Security and Privacy – NPTEL(Elite)**, IIT MADRAS, October 2023.

- JAVA (Advanced) – HackerRank.

- 5-day Hands-on workshop on **Internet of Things (IoT): Technologies, protocols & applications** – Upskilling program in IoT Technologies, **IEEE**, July 2023.

- Smart India Hackathon **SIH** (Runner-Up) – Collaborated on the Project "Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration", contributing expertise in RFID technology.

- **Codechef** – Advanced level exam in data structures & algorithms(DSA) 06/04/2023.

- Prompt Engineering certification in september 2024 by Vanderbilt University.

- Qualified in **JEE MAINS** exam in the year 2021 with **86** percentile.