

# SUJAN VISHNUMOLAKALA

Vijayawada, Andhra Pradesh, India

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## Summary

Computer Science undergraduate with strong skills in Java, Python, JavaScript, React.js, and cloud platforms like AWS. Experienced in full-stack development, machine learning, and real-time project deployment. Certified in AWS, Azure AI. Quick learner with solid problem-solving abilities and leadership experience.

## Experience

### ADP Pvt Ltd

July 2025 - Present

GPT Intern – Software Developer (Backend)

Hyderabad, India

- Contributing to the development of a Web Clocking project, focusing on backend architecture, APIs, and database integration to enable secure and efficient employee time tracking.
- Implementing scalable REST-ful APIs using Node.js and Java, ensuring seamless communication between frontend and backend systems.
- Collaborating with cross-functional teams to optimize backend performance, enhance authentication workflows, and improve data processing speed.

### Oasis Info byte

Feb 2024 - March 2024

Java Research Intern

Remote

- Engineered a Java-based Guessing Number game, employing advanced logic structures including loops, conditionals, and robust user input handling to enhance cognitive problem-solving.
- Developed an ATM Interface in Java, utilizing object-oriented programming principles such as encapsulation and inheritance, effectively simulating real-world banking operations and improving software design proficiency.

### Codsoft

Jan 2024 – Feb 2024

Artificial Intelligence Intern

Remote

- Developed and deployed real-world AI solutions, including a Face Recognition model utilizing Python and OpenCV, demonstrating expertise in computer vision.
- Conducted in-depth research to design and implement a TIC-TAC-TOE game, applying AI algorithms to enhance decision-making and gameplay strategy.

## Education

### Vellore Institute of Technology, Amaravati

October 2022 - Present

Bachelor of Technology in Computer Science and Engineering

CGPA: 9.11/10

### Sri Sarada Educational Institutions, Vijayawada

June 2020 – April 2022

Intermediate – MPC

CGPA: 9.8 / 10

### Guntur Oxford EM High School, Vijayawada

June 2019 – April 2020

10<sup>th</sup> GRADE

CGPA: 10/10

## Relevant Coursework

- |                        |                       |                           |                      |
|------------------------|-----------------------|---------------------------|----------------------|
| • Data Structures      | • Algorithms Analysis | • Artificial Intelligence | • Competitive Coding |
| • Software Engineering | • Database Management | • Operating Systems       | • Machine Learning   |
| • Java                 | • Python              | • C++                     | • MySQL              |
| • R                    | • HTML5               | • Node.js                 | • React.js           |
| • Power BI             | • CSS                 | • Express.js              | • Data Analysis      |

Projects

<b>Personal Portfolio Website</b>   <i>HTML, CSS, JavaScript, Bootstrap, GitHub Pages</i>	<b>January 2025</b>
<ul style="list-style-type: none"><li>Developed a fully responsive portfolio website using HTML5, CSS3, JavaScript, and Bootstrap to showcase technical skills, projects, and professional achievements.</li><li>Implemented version control with Git and deployed the site on GitHub Pages for seamless continuous integration and easy accessibility.</li><li>Designed intuitive, mobile-friendly user interfaces ensuring cross-browser compatibility and optimized performance for enhanced user experience.</li></ul>	
<b>Food Delivery Application</b>   <i>MERN Stack (Mongo DB, Express.js, React, Node.js), Stripe</i>	<b>March 2025</b>
<ul style="list-style-type: none"><li>Developed a full-featured, responsive food delivery platform integrating customer, admin, and delivery personnel interfaces, ensuring seamless end-to-end order management.</li><li>Implemented secure authentication using JWT, integrated Stripe for secure payments, and enabled real-time order tracking with Web Sockets.</li><li>Built scalable RESTful APIs using Express.js and MongoDB, implemented role-based access control, and optimized database queries for performance.</li><li>Designed intuitive, mobile-friendly user interfaces ensuring cross-browser compatibility and optimized performance for enhanced user experience.</li></ul>	
<b>Age and Gender Detection System</b>   <i>Python, CNN, OpenCV, UTKFace Dataset, Computer Vision</i>	<b>September 2024</b>
<ul style="list-style-type: none"><li>Developed an Age and Gender Detection System using a custom CNN model in TensorFlow and Keras, performing multi-task learning for age regression and gender classification on the UTKFace dataset.</li><li>Engineered an end-to-end pipeline including data preprocessing, feature extraction (grayscale conversion, resizing, normalization), model training, and evaluation, achieving high accuracy in gender classification and low MAE in age estimation over 50 epochs.</li><li>Applied real-time prediction on unseen data using OpenCV and PIL integration, visualized predictions with Matplotlib, and conducted detailed EDA with Seaborn and Pandas to analyze age and gender distribution, improving model robustness.</li></ul>	
<b>Stock Prediction Model</b>   <i>Python, Streamlit</i>	<b>October 2023</b>
<ul style="list-style-type: none"><li>Built an advanced web application using Streamlit to predict stock prices with LSTM, GRU, and TCN models, analyzing 20 years of historical data.</li><li>Applied EWMA and Holt smoothing methods with spans of 50, 100, and 150 days, achieving a 15% increase in prediction accuracy.</li><li>Utilized the yfinance module to gather precise financial data from Yahoo Finance, ensuring real-time analysis of over 5,000 data points.</li></ul>	

Certifications

<a href="#">Deloitte Data Analytics Job Simulation (Forge)</a>	<b>February 2025 - Present</b>
<a href="#">Microsoft Certified AZURE AI FUNDAMENTALS</a>	<b>July 2024 - Present</b>
<a href="#">AWS Academy Cloud Foundations</a>	<b>September 2024 - Present</b>
<a href="#">AWS Academy Cloud Architecting</a>	<b>November 2024 - Present</b>
<a href="#">CPA: Programming Essentials in C++ (Cisco Networking Academy, C++ Institute)</a>	<b>April 2024 - Present</b>
<a href="#">Introduction to Generative AI (Google Cloud, Coursera)</a>	<b>February 2024 - Present</b>

Extracurricular Activities

<b>Event Management Lead – Chaitra Telugu Association, VIT AP</b>	<b>August 2024 – PRESENT</b>
<ul style="list-style-type: none"><li>Led and coordinated event planning and execution for the Chaitra Telugu Association at VIT AP, managing teams and ensuring successful program delivery.</li></ul>	