

# ATTELLI SANJAY KUMAR

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## QUICK SUMMARY

I am a passionate Software Developer with a strong foundation in Data Structures and Algorithms, proficient in Python and C++. I am dedicated to solving complex problems and optimizing solutions for efficient performance in SaaS applications.

Eager to leverage my skills in a challenging software development role, with a focus on algorithmic efficiency, problem-solving, and building robust, scalable systems.

## EDUCATION

- VNR VJIET Engineering College** Telangana, India  
*Bachelor of Technology - Information Technology; GPA: 8.50* *January 2025-Present*  
*Courses:* Data Structures, Algorithms, Software Engineering, Database Management Systems, Object-Oriented Programming  
*Open Electives :* Cloud Computing, Agile Software Development, Cybersecurity
- Sri Chaitanya Intermediate College** Telangana, India  
*Higher Secondary Education - MPC (Mathematics, Physics, Chemistry); GPA: 93.1* *May 2022*
- Sri Chaitanya School** Telangana, India  
*Secondary School Education - SSC; GPA: 100* *May 2020*

## SKILLS SUMMARY

- Languages:** Python, C++, Java, SQL, MongoDB
- Tools:** VS Code, Git, Jupyter Notebook, Anaconda, MySql
- Concepts:** Data Structures, Algorithms, Object-Oriented Programming, Database Management
- Problem Solving:** Algorithm Design, Complexity Analysis, Optimization Techniques
- Frameworks:** Flask, FastAPI, Bootstrap, Supabase
- Soft Skills:** Communication, Team Collaboration, Analytical Thinking, Time Management

## EXPERIENCE

- Aspireup** Remote  
*UI/UX Designer (Internship)* *August 2024 - October 2024*
  - Ergonomic Interface:** Designed a user-centric, visually compelling interface for seamless navigation.
  - Adaptive Responsiveness:** Developed a fully responsive layout for consistent experiences.
  - Interactive Dynamics:** Added real-time updates with advanced front-end technologies.
- Jacynth Paul Business Technologies Private Limited** On-Site  
*Web-Designer-Developer (Internship)* *April 2024 - June 2024*
  - Project Course - Personalized Learning Pathways:** Allows students to create customized learning plans tailored to their individual needs and goals.
  - Interactive Tutorials:** Offers interactive tutorials to enhance understanding and retention of complex subjects.
  - Impact:** Course has been taken by 500+ students so far with 4.65 average rating.

## CERTIFICATIONS

- Smart Interviews: Data Structures and Algorithms:** Nov, 2024
- Udemy: AWS Essentials – A Complete Beginner’s Guide:** 2025
- Udemy: ReactJS – The Complete ReactJS Course!:** 2025
- Guvi: Completion of Python by Guvi and collaboration by Google:** Mar, 2024
- Udemy: 2025 Data Visualization in Tableau and Python:** 2025
- Google: Create High-Fidelity Designs and Prototypes in Figma:** May, 2024
- Udemy: Learn Machine Learning with Python A to Z!:** 2025
- Udemy: Mastering Gemini AI – Google’s Versatile Language Model:** 2025

## STRENGTHS & CORE COMPETENCIES

- Data Structures Expertise:** Proficient in implementing and utilizing various data structures
- Algorithm Design:** Skilled in designing algorithms for problem-solving and optimization in software applications.
- Performance Optimization:** Experience in optimizing code for performance and scalability in banking applications.
- Collaboration:** Ability to work effectively in teams to deliver high-quality software solutions.

## WEB DEVELOPMENT PROJECTS INTEGRATED WITH ML AND PYTHON

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### ● Ecommerce Digital Store for Premium Products -[Explore the project](#):

- Implemented Revenue generation through strategic social media marketing, leveraging a strong community of 20k+ followers.
- editwithsanjay.in is a modern e-commerce platform designed to offer seamless purchasing of high-quality digital products.
- Tailored for content creators, designers, and business professionals, the platform provides instant access to premium digital assets that enhance creative projects. **Tech: React.js, Typescript, Node-JS, JavaScript, Tailwind CSS, AWS Lambda, Figma, Framer Motion.**

### ● Your Ultimate Notes, Tasks, and Files Management App -[Explore the project](#):

- Stay organized and boost productivity with NotesGalaxy, the all-in-one solution for note-taking, task management, and file storage.
- Secure cloud storage with AWS integration, ensuring data safety and accessibility from any device.
- Intuitive UI/UX with seamless drag-and-drop functionality for efficient file organization.
- AI-powered smart suggestions for task prioritization and note categorization.

**Tech: Python, Flask, AWS, TypeScript, React JS, JavaScript, Supabase.**

### ● Agri Assist - Your Smart Farming Companion -[Explore the project](#) :

- Get predictions for suitable crops based on weather and soil conditions. Identify crop diseases using image recognition.
- Completed a research project in collaboration with a mentor, utilizing machine learning models including Random Forest, KNN, Naive Bayes, and LightGBM, with extreme metric analysis and a well-designed user interface; currently pending publication.
- Get pesticide and fertilizer recommendations tailored to specific crops.
- Understand soil requirements for optimal crop growth.
- Plan your crop rotation effectively to enhance yield.

**Tech: Machine Learning(Random Forest, KNN etc), Web Development, AWS, TypeScript, Node-JS, Supabase.**

### ● Content-Flow - Smarter Workflow with Precision and Ease -[Explore the project](#):

- Seamless Scheduling provides an intuitive content workflow solution to plan, assign, and track tasks efficiently.
- Designed to enhance productivity, it helps individuals and teams stay organized while meeting critical deadlines.
- The app features an easy-to-use interface for managing tasks on a daily, weekly, and monthly basis, offering insightful analytics, progress tracking, and secure login functionality.

**Tech: React.js, Typescript, Node-JS, JavaScript, Tailwind CSS, AWS Lambda, Figma, Framer Motion.**

### ● Web-Insights – Explore the Power of Real-Time Traffic -[Explore the project](#):

- Web-InsightsCurve is a real-time analytics platform designed to transform website data into actionable insights.
- Collaborated with a teammate to design and develop the website, ensuring seamless frontend experience.
- Enables tracking of ad customers and users through advanced analytics, including IP-based, country-based, and device-based monitoring with secure Payments Integrations.

**Tech: React.js, Typescript, Node-JS, JavaScript, Tailwind CSS, AWS Lambda, Figma, Framer Motion.**

### ● Air Quality Monitoring Dashboard -[Explore the project](#):

- Get real-time air quality data for any location or use your current position to monitor air quality.
- Integrated Google AQI API for accurate and up-to-date air quality index information.
- Implements multiple machine learning algorithms to analyze air pollution trends and predict AQI variations.
- Completed a research project in collaboration with a mentor, utilizing ML and DL models including Random Forest, KNN, LightGBM, and MLP, achieving up to 96% accuracy; currently pending publication.

**Tech: Machine Learning, Web Development, AWS, TypeScript, Supabase**

## ACHIEVEMENTS

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- Won Webathon 3.0 (ACM VNRVJIET, Apr 2025) – Built an E-commerce Optimization Platform with AWS Lambda, Integrated real-time analytics, social-driven payments - April 2025 [About Project](#)
- Achieved 15k followers on Instagram for design content - [Instagram Profile](#)
- Grew 3k+ connections on LinkedIn by sharing design insights - [LinkedIn Profile](#)
- Forth Runner's Up at Webathon Developers Circle Hackathon - March, 2024
- Generated revenue by integrating development and sales through social media marketing - [Online Digital Store](#)
- Reached 1k subscribers on YouTube - July, 2024

## VOLUNTEER EXPERIENCE

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| ● <b>Coder at Google Developer Student Clubs VNR-VJIET</b>                                    | Telangana, India |
| ● <i>Organized coding events and workshops, making significant contributions to the GDSC.</i> | Jan 2024         |
| ● <b>Student Coordinator at SMC Group VNR-VJIET</b>   | Telangana, India |
| ● <i>Enhanced VNRVJIET's social media presence and engagement with coding Insights.</i>       | Jan 2024         |