

SURYA PRAKASH BODA

Python Developer | Data Analyst | MERN Stack Developer

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PROFESSIONAL SUMMARY

Results-driven Computer Science student with expertise in **Python development, Generative AI, Data Analytics, and MERN Stack web development**. Proficient in building scalable web applications, performing data analysis with Pandas/NumPy, and implementing AI solutions. Demonstrated ability to develop end-to-end projects combining frontend interfaces with robust backend systems. Strong foundation in cloud technologies (AWS) and database management. Seeking opportunities to leverage technical skills in software development and data engineering roles while contributing to innovative organizational solutions.

TECHNICAL SKILLS

Programming & Development

Python (Advanced), **JavaScript (ES6+)**, **SQL**, HTML5, CSS3, C (Basics)

Web Development (MERN Stack)

MongoDB, **Express.js**, **React.js**, **Node.js**, RESTful APIs, Responsive Design

Data Analytics & AI

Pandas, **NumPy**, **Data Visualization**, **Generative AI**, MS Excel (Advanced), Statistical Analysis

Tools & Platforms

Git/GitHub, **AWS (Basics)**, **MySQL/PostgreSQL**, VS Code, Jupyter Notebook, Postman

Student Data Management System

Python | MySQL | Tkinter/Streamlit

TECHNICAL PROJECTS

- Developed a comprehensive CRUD application for managing student records with intuitive GUI
- Implemented database normalization principles ensuring data integrity and reduced redundancy
- Features include automated report generation, search functionality, and data export to Excel/CSV
- **Impact:** Reduced data retrieval time by 60% through optimized SQL queries and indexing

E-Commerce MERN Stack Application

[MongoDB](#) | [Express.js](#) | [React.js](#) | [Node.js](#) | [JWT Authentication](#)

- Built full-stack e-commerce platform with user authentication, product catalog, and shopping cart functionality
- Implemented RESTful API architecture with JWT-based authentication and authorization
- Integrated payment gateway simulation and order management system
- **Results:** Responsive design supporting 1000+ concurrent users with 95+ Lighthouse performance score

Generative AI Content Assistant

[Python](#) | [OpenAI API](#) | [LangChain](#) | [Flask](#) | [Bootstrap](#)

- Created AI-powered web application for automated content generation, text summarization, and code completion
- Utilized LangChain framework for prompt engineering and chaining LLM operations
- Implemented context-aware responses with conversation memory management
- **Features:** Multi-format output (Markdown, JSON), token optimization, and API rate limiting

Data Analytics Dashboard

[Python](#) | [Pandas](#) | [Matplotlib](#) | [Plotly](#) | [Streamlit](#)

- Designed interactive data visualization dashboard for sales trend analysis and predictive modeling
- Performed data cleaning, transformation, and exploratory data analysis (EDA) on datasets with 10K+ records
- Implemented correlation analysis and statistical hypothesis testing for business insights
- **Outcome:** Automated reporting system reducing manual analysis time by 75%

Weather Report Application

[React.js](#) | [OpenWeatherMap API](#) | [Chart.js](#) | [Geolocation API](#)

- Real-time weather tracking application with location-based forecasts and 7-day predictions
- Implemented data visualization for temperature trends, humidity levels, and precipitation forecasts
- Features include city search, favorite locations, and weather alerts
- Responsive PWA design with offline caching capabilities

EDUCATION

Bachelor of Technology (B.Tech) - Computer Science

Expected 2026

[Your University Name], Telangana

CGPA: [X.XX]/10.0 | Relevant Coursework: Data Structures, Algorithms, DBMS, OOPs, Software Engineering

Intermediate (Class 12) - MPC

2022

Krishnaveni Junior College, Kothagudem Telangana

State Board | Percentage: 81.8%

Secondary School (Class 10)

2020

ACHIEVEMENTS

- Secured **First Rank** in Inter-School Running Competition
- Represented school cricket team at district level tournaments
- Successfully completed 5+ full-stack projects deployed on GitHub
- Maintained consistent academic performance with 81.8% in Intermediate

ADDITIONAL INFORMATION

Soft Skills:

Problem Solving, Analytical Thinking, Team Collaboration, Time Management, Adaptability, Quick Learning

Languages:

English (Professional) Telugu (Native) Hindi (Fluent)