

# Shailender Reddy Dumbala

+91 9182879536 [shailenderreddydumbala@gmail.com](mailto:shailenderreddydumbala@gmail.com) [Github](#)

## SUMMARY

As an undergraduate with a fervent interest in data science, I bring proficiency in Python, statistical analysis, machine learning, and data visualization. Eager to contribute analytical skills and stay current with industry trends, I am seeking opportunities to apply and grow in the field.

## EDUCATION

<b>Vignana Bharathi Institute Of Technology</b> B.Tech , Computer Science Engineering with Data Science	<b>December 2020 - May 2024</b> Grade: 7.83/10 CGPA
<b>Sri Chaitanya Junior College</b> Intermediate , MPC	<b>May 2018 - July 2020</b> Grade: 8.3/10 CGPA
<b>Kendriya Vidyalaya Air Force Station Begumpet</b> School	<b>July 2008 - May 2018</b> Grade: 6.5/10 CGPA

## EXPERIENCE

<b>AOF Filtration Systems</b> <b>Business Analyst Intern</b> <ul style="list-style-type: none"><li>Communicated with clients to understand their needs and project goals, ensuring smooth execution.</li><li>Managed the company's database using SQL and performed data analysis and reporting with Python.</li><li>Created dashboards and reports using Excel, Power BI, and Tableau to provide actionable insights.</li></ul>	<b>September 2024 - May 2025</b>
<b>Coapps Development Solutions Pvt</b> <b>Junior Data Scientist Intern</b> <ul style="list-style-type: none"><li>Optimized healthcare processes by analyzing large datasets and building predictive models using CNN and ANN.</li><li>Preprocessed structured and unstructured data to uncover trends and improve decision-making.</li><li>Enhanced patient outcomes through data-driven strategies and machine learning algorithms.</li></ul>	<b>January 2024 – March 2024</b>

## PROJECTS

<b>Delivering Negative Review through Call and Message using Twilio and Naive Bayes Algorithm</b> <ul style="list-style-type: none"><li>Built a machine learning model using sentiment analysis to classify negative reviews.</li><li>Developed a Flask-based interface to collect user input and integrate with Twilio for automated calls and messages.</li><li>Streamlined the process of addressing negative feedback, improving customer satisfaction.</li></ul>
<b>AI Medicine Recommendation System</b> <ul style="list-style-type: none"><li>Designed a web-based application using Flask to predict diseases based on symptoms.</li><li>Provided detailed recommendations, including precautions, medicines, workouts, and diets for various diseases.</li><li>Enhanced user experience by delivering accurate and actionable health insights.</li></ul>
<b>Traffic Sign and Lane Detection for Autonomous Vehicles</b> <ul style="list-style-type: none"><li>Implemented a real-time traffic sign and lane detection system using Python, OpenCV, and Hough Transform.</li><li>Trained shape models with supervised learning to enable accurate navigation and decision-making.</li><li>Improved autonomous vehicle safety and efficiency by ensuring precise detection of road elements.</li></ul>

## ACHIEVEMENTS

- Teaching Assistant | Nxtwave Disruptive Technologies Pvt. Ltd**

I was selected as a Teaching Assistant at Nxtwave where I used to resolve technical doubts and review code to support effective learning in career-focused tech training programs
- Medal in Maths Olympiad**

## STUDENT FORUMS

---

### Design Lead & Website Co-Lead | Data Vedhi (*Sep 2022 – Oct 2023*)

- Data Vedhi was the Data Science club at VBIT where we conducted events to teach Data Science to 2nd and 3rd-year students. I was a core team member serving as the Design Lead and Website Co-Lead. I managed the club's posters, logos, and website. Our core team regularly discussed and planned upcoming events

### Coordinator | Street Cause (*Dec 2020 – Sep 2021*)

- Organized and led social initiatives focused on education, health, and community development. Coordinated with team members and local authorities to execute donation drives, awareness campaigns, and volunteer events. Managed communication, logistics, and volunteer participation, impacting 100+ beneficiaries through various events

## CERTIFICATIONS

---

[AWS Academy Machine Learning Foundations](#)

[Oracle Database Foundations](#)

[AWS Academy Data Analytics](#)

## SKILLS

---

- **Programming Languages:** Python, SQL, HTML, CSS, JavaScript
- **Frameworks:** Flask, Streamlit
- **Data Science Tools:** NumPy, Pandas, Excel, Power BI, Jupyter Notebook, Matplotlib
- **Machine Learning:** Machine Learning, Deep Learning, Scikit-learn, Tensorflow
- **Web Development:** Bootstrap, JavaScript, HTML, CSS