Punna Sudha Kalyan

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Profile

B.Tech Computer Science Engineering student at VIT-AP University with a strong foundation in data science, analytics, and web development. Passionate about solving real-world problems through logical thinking and creative solutions. A fast learner with a growth mindset, strong adaptability, and a results-driven approach.

Skills

Programming Languages — Java, Python

Technical Foundations — DSA │ SQL

Data Science — Power BI, Machine Learning, Data Analytics

Soft Skills & Languages

- Communication │ Leadership │ Analytical Thinking │ Teamwork │ Adaptability
- English │ Telugu │ Hindi │ Elementary German

Projects

Smart Industrial & Waste Management Systems
Embedded IoT Projects using Arduino UNO
Developed two IoT-based automation systems:A safety monitoring system that detects gas leaks or fire and activates sprinklers and alerts.A smart waste segregation system with the help of sensors to classify wet and dry waste.
- **Tools & Technologies:** Arduino UNO, Gas & Flame Sensors, Moisture Sensor, IR & Ultrasonic Sensors, Servo Motor, GSM Module, C/C++

IPL Match Outcome Predictor using Machine Learning
Machine Learning for IPL Match Prediction
Developed a machine learning model to predict IPL match outcomes basedhistorical data from 2008 to 2023. Aimed at enhancing decision-making for teams and engaging fans with accurate predictions.
- **Tools & Technologies:** Python, Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow/Keras, Tableau

Dynamic Data Visualization of Telangana Tourism & Transport using Power BI
Data Analytics with Power BI
Designed dynamic and user-friendly dashboards in Power BI to visualize tourism trends and transport statistics across districts. Enabled users to analyze regional trends and historical insights for actionable policy insights.
- **Tools & Technologies:** Power BI, DAX, Power Query, Excel

Certificates

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional ☑
Earned certification focused on Oracle's Generative AI services, covering model deployment, fine-tuning, and ethical AI use on OCI.

IBM SkillsBuild Summer Internship Program with CSRBOX on Data Analytics
Completed a structured internship exploring data analytics tools and techniques, with hands-on training in data cleaning, analysis, and visualization.

Power BI for Beginners ☑
Learned the fundamentals of Power BI including data import, visualization creation, and dashboard building for beginner-level reporting.

Experience

Data Analytics Intern ☑
IBM SkillsBuild Internship with CSRBOX
- Designed 5+ interactive dashboards using Power BI and Excel, transforming raw datasets into actionable insights that highlight key trends and performance metrics.
- Processed and modeled 15+ years of IPL data using Python, Scikit-learn, and TensorFlow, achieving over 80% prediction accuracy and visualizing results through Tableau.

Education

B.Tech / Computer Science Engineering / CGPA : 8.31 / 10   2022 – 2026 │ Amaravathi
VELLORE INSTITUTE OF TECHNOLOGY

Intermediate / MPC / CGPA : 9.35 / 10   2020 – 2022 │ Nandyal
NARAYANA JUNIOR COLLEGE