

VENKATA BASANTH CHALLAPALLI

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SUMMARY

Dynamic IT graduate with a strong background in software development and data analytics, seeking an internship. Experienced in collaborating on system analysis, test strategy development, execution, and defect reporting. Skilled in evaluating product code and ensuring quality throughout the software development lifecycle. Passionate about driving business solutions and delivering innovative results.

SKILLS

- **Technical Skills:** C, Python (pandas, matplotlib, NumPy), Database Management system, Core Java, MySQL, PowerBI, Object oriented Programming(OOPS),Data Structures.
 - **Techniques:** Data Augmentation, Segmentation, Predictive Modeling, Classification, Loss Function, Optimization, Statistical analysis, Image Analysis, ETL, Automation, Visualization, Data Modeling
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EXPERIENCE

KENNESAW STATE UNIVERSITY- Department of Economics, Finance, and Q.A

Jan 2025-Present

GRADUATE RESEARCH ASSISTANT(GRA)

- Currently working on a project how climate risks affect house pricing.
- Collecting Realtime climate data of coastal regions based on webscraping florida city coordinates using requests and BeautifulSoup, processed ERA5 NetCDF4 climate data with Python, pandas, and Panoply into a time series format.

BIST TECHNOLOGIES Pvt Ltd(India)- Data Science Intern ([link](#))

Mar 2024 – May 2024

Data Augmentation based on Generative Adversarial Network for Endoscopic Image classification (Deep learning) :

- Gained an 95.2% accuracy results by involving Data augmentation and segmentation techniques to the existing medical image analysis with standard GAN algorithm- GANs help with data shortage and class imbalance in endoscopic datasets by producing realistic synthetic pictures.
- Increased efficiency of the system by optimizing it based on GAN based augmentation on several CNN models.

BLACKBUCKS ENGINEERS Pvt Ltd- Machine learning Intern ([link](#))

Jun 2022 – Sep 2022

Sign Language Classification

- Built a hand gesture classification system, engaging in system analysis, test strategy development, test case execution, and defect reporting.
- Designed and rigorously tested sign language classification system using ML techniques(supervised learning model)..
- Collaborated with QA engineers to enhance data analysis efficiency and met the quality standards throughout the software development lifecycle.

KPMG

Data Analyst Intern

- Conducted rigorous data quality assessments and analyzed bike sales in year 2022 and 2023.
 - leveraged data visualization through charts, graphs and maps in tableau software.
 - Delivered actionable insights, contributing to strategic decision-making processes and client success.
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PROJECTS

Sales Insights-Brick motor business[Power-BI—SQL]: ([link](#))

Engineered a dynamic Power BI dashboard to analyse sales trends and identify growth opportunities, integrating business drivers into the solution to deliver actionable insights and drive business performance.

CERTIFICATIONS

- NXT wave Certification on” Build your own static website using HTML,CSS,Bootstarp”
 - Microsoft Azure Fundamentals Certificate
 - Complete SQL Bootcamp from Udemy
 - 2023 Data Visualization in Tableau Python from Udemy
 - Two NPTEL Certificates Completed on “Joy of Computing with Python” and “Programming in Java “with Elite grades
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EDUCATION

KENNESAW STATE UNIVERSITY - **Master of Science in Computer Science**

April 2026

NRI INSTITUTE OF TECHNOLOGY, India - **Bachelor of Information Technology**

May 2024