

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.
 - **Techniques:** Data Augmentation, Segmentation, Predictive Modeling, Classification, Loss Function, Optimization, Statistical analysis, ETL, Automation, Visualization, Data Modeling
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EXPERIENCE

BIST TECHNOLOGIES Pvt Ltd(India)- Data Science Intern

Mar 2024 – May 2024

Data Augmentation based on Generative Adversarial Network for Endoscopic Image classification:

Project link: <https://github.com/Basanth2633/Data-Augmentation-Based-on-Generative-Adversarial-Network-for-Endoscopic-Image-Classification->

- 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.
 - To increase the efficiency of medical data, our approach also applies GAN-based augmentation to several CNN models to confirm the performance gains.
 - Gained an IoU accuracy of 0.8742 %
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BLACKBUCKS ENGINEERS Pvt Ltd- Machine learning Intern

Jun 2022 – Sep 2022

Sign Language Classification

Project Link: <https://www.kaggle.com/code/basanthchallapalli/sign-language-classification>

- Led the creation of 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, ensuring business requirements alignment. Proficient in system analysis, test strategy development, execution, defect reporting, and post-release testing to ensure software quality
 - Collaborated with QA engineers to enhance data analysis efficiency and meet quality standards throughout the software development lifecycle.
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KPMG

Data Analyst Intern

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

Sales Insights-Brick motor business[Power-BI—SQL]:

Project Link: https://github.com/Basanth2633/DataAnalyticsProjects/tree/main/1_SalesInsights

- 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.
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CERTIFICATIONS

- NXT wave Certification on "Build your own static website using HTML, CSS, Bootstrap"
 - 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