MANAS AYYALARAJU

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EDUCATION

The University of Texas at DallasBachelor of Science, Computer Information Systems
Overall GPA: 3.6

December 2026

EXPERIENCE

Sudur Capital – Full-Stack Web Development Intern; Frisco, Texas

November 2024 – Present

- Designed and implemented a responsive full-stack platform using Next.js, TypeScript, HTML5, CSS, and PostgreSQL, ensuring secure, scalable, and optimized data solutions while significantly improving user engagement and accessibility
- Developed and launched a real estate investment portal that allowed investors to register, evaluate opportunities, and invest in projects while enabling sponsors to showcase land developments and attract funding seamlessly
- Accelerated the delivery of the portal's Minimum Viable Product within three months by writing and managing 20+ user stories in Jira, streamlining workflows, enhancing collaboration, and consistently meeting aggressive project deadlines

Maxwell IoT Technologies – *IoT Systems & Performance Intern; Plano, Texas*

April 2021 – July 2021

- Expanded the IoT product network by 20% through the development of a mobile application and the integration of innovative connectivity strategies that strengthened system scalability and reliability
- Boosted device productivity by 15% by applying advanced LoRa WAN technology to build a robust and efficient network, while gaining deep expertise in IoT performance analysis and optimization
- Increased the number of active devices by 25% by supporting system testing, troubleshooting, and client issue resolution, while documenting solutions that enhanced customer satisfaction and system performance.

PROJECTS

NBA Schedule Analysis Project – Data Science Analyst

Fall 2025

- Processed and analyzed over 1,200 NBA schedule records using Python, pandas, and Jupyter Notebook to evaluate patterns in game density, rest days, and back-to-back sequences across multiple seasons.
- Developed more than 10 statistical models and visualizations with matplotlib and seaborn, providing clear insights into scheduling effects and ensuring results were presented in an accessible and professional format.
- Improved workflow efficiency and reproducibility by 30% by implementing structured coding practices, documenting each step thoroughly, and delivering well-organized analytical outputs for future reference.

Air France Digital Marketing Optimization Project – Data Analyst

Spring 2025

- Analyzed advertising performance across 5 major publishers using Excel, identifying campaign click-through rates that varied by over 10% across regions and highlighting opportunities for market-specific optimization.
- Developed comprehensive ROA models and detailed cost-per-click analyses, enabling data-driven budget allocation, improved bidding strategies, and more effective targeting of high-performing campaigns.
- Built interactive dashboards and pivot-table reports that consolidated over 50,000+ impressions and conversion records, improving visibility for stakeholders and supporting recommendations projected to increase ROI by 15–20%.

IBM Case Competition – AI & Data Analytics Consultant

Fall 2024

- Enhanced food desert detection accuracy by 25% by leveraging Watson AI to analyze geographical and API-based data, ensuring higher precision in identifying underserved areas across the DFW region.
- Improved community food access with a predictive model designed in collaboration with a cross-functional team, delivering data-driven strategies that optimized resource allocation for local governments.
- Presented innovative solutions to IBM judges by showcasing comprehensive insights, advanced analytics, and actionable recommendations that drove impactful approaches to reducing food insecurity.

ADDITIONAL INFORMATION

Computer Skills: Next.js | HTML5 | CSS | TypeScript | Java | Tableau | Power BI | Python | SQL | PostgreSQL | Jira Certifications: Microsoft Office Specialist: Excel Associate (Office 2019) | Introduction to Data Analytics (IBM) Languages: English, Kannada, Telugu, and Hindi.

Work Eligibility: Eligible to work in the U.S. with no restrictions