Pratheek Neelasandra Shivaswamy

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EDUCATION

W. P. Carey School of Business at Arizona State University   August 2024 - December 2025
Master of Science (MS): Business Analytics   Tempe, AZ

- Relevant Coursework: Statistical Analysis, Predictive Analytics, Big Data Tools, Operations Research, Simulation, Business Strategy, Financial Analytics, Data Visualization, Data Mining, Machine Learning, Python, SQL Databases, Data Warehousing.

PES University   August 2018 – May 2022
Bachelor of Technology (B.Tech), Electrical and Electronics   Bangalore, Karnataka

- **CGPA**: 7.10
- **Minor in Management**
- Relevant Coursework: Introduction to programming using Python, Problem-solving using C, Engineering Mathematics, Introduction to MATLAB & SIMULINK, Designing IOT Solutions, VLSI Design, Control System, Digital Electronics.

PROFESSIONAL EXPERIENCE

Analyst   August 2022 – August 2024
KPMG Global Services   Bangalore, Karnataka

- Streamlined workflows by transitioning process flows from Visio to ARIS, reducing handover times by 20% and enhancing operational efficiency.
- Improved project precision by 25% through enhanced communication and Confluence page updates, resulting in a 15% boost in team collaboration.
- Created and maintained data visualizations using Power BI, presenting key metrics and performance measures that supported data-driven decisions for business partners, facilitating faster decision-making.
- Automated data processing tasks using Alteryx and Clover-DX, reducing processing time by 30% and improving data accuracy by 20%, saving 200+ manual hours per quarter.
- Developed ETL packages for data cleansing, integration, and transformation in the data warehouse using SQL and Microsoft SSIS/SSRS, enhancing data accuracy by 25% and improving processing speed by 40%.
- Created library assets such as Controls, Risk, Organization Charts, KPIs, Reports, and Policies, mapped to relevant process levels (L1 to L5), strengthening process clarity and delivering actionable insights.

Project Trainee   September 2021 - November 2021
Defense Research and Development Organization   Bangalore, Karnataka

- Collaborated with a senior scientist to execute data extraction and analysis projects, driving two critical research initiatives.
- Programmed FPGA devices using VHDL on the Vivado platform, improving data processing capabilities by 25% and enabling successful
- real-time simulation of complex tasks.
- Developed an algorithm to model incoming data, increasing processing efficiency by 30% and generating predictive insights that enhanced
- research outcomes.

PROJECT EXPERIENCE

Smart Retail Store   October 2021 - March 2022

- Enhanced In-Store Experience & Checkout Efficiency – Utilized Wi-Fi technology to automate product detection and mobile payments, reducing billing queue times by 40%.
- Improved Payment Security & Accuracy – Designed a smart cart with automated product verification, enhancing transaction security by 30% within designated pay zones.
- Real-Time Inventory & Order Management – Integrated Firebase for dynamic cart synchronization, ensuring accurate stock updates and retrieval of incomplete purchases, reducing cart abandonment by 25%.
- Optimized Product Detection & Customer Engagement – Achieved 35% better accuracy in item tracking using Wi-Fi RSSI-based identification, providing real-time price updates and intuitive LED status indicators.
- Scalable & Secure IoT Architecture – Ensured seamless connectivity, encrypted data transmission, and multi-receiver order processing, making the system adaptable for large-scale retail deployment.

SKILLS & ACTIVITIES

- Programming Languages: Python, C++, MATLAB
- ETL Tools: Clover DX, Alteryx
- BPM Tools: MS Visio, ARIS
- Analytic Tools: Tableau, Power BI, MS Excel
- Databases: MySQL, Oracle Database (Relational), SSMS
- Collaboration Tools: Confluence, SharePoint