Harish Sivakumar

Business Analyst

Skills

Programming:	Python (Pandas, NumPy), C, Java, JavaScript, HTML5, CSS3, Bootstrap, Verilog HDL
Tools & Platforms:	Git, VS Code, Autodesk AutoCAD, Canva, MS Office Suite, Linux
Data & Analytics:	Data processing, SQL (basic), Visualization techniques, Excel advanced functions
Soft Skills:	Problem-solving, Team collaboration, Adaptability, Time management, Technical documentation

Experience

Software Engineering Intern *Ashok Leyland, Chennai, Tamil Nadu, India*   July 2023

- Developed custom Python automation scripts using Pandas to process vehicle testing data, reducing processing time by **10%** and eliminating manual errors
- Collaborated with cross-functional engineering team to design and test QA software module for manufacturing process optimization

Web Development Intern *BYT Digital, Chennai, Tamil Nadu, India*   December 2023

- Developed responsive web interfaces using HTML5, CSS3 and Bootstrap for client marketing campaigns
- Implemented mobile-first design principles, improving cross-device compatibility and user engagement metrics by **15%**
- Assisted in deployment and testing of web applications using industry standard practices

Projects

Data Processing Pipeline Automation   October 2023 - November 2023

Python   Pandas   NumPy   Matplotlib

- Developed automated ETL pipeline using Python to process and transform large CSV datasets with 10,000+ rows
- Implemented parallel processing algorithms that reduced computation time by **25%** compared to previous methods
- Created visualization module for automated report generation, eliminating 4 hours of manual work weekly

Responsive E-Commerce Component Library   December 2023

HTML5   CSS3   Bootstrap   JavaScript

- Designed and built reusable UI component library for e-commerce platforms with responsive grid layouts
- Implemented custom CSS animations and transitions to enhance user experience
- Optimized components for performance with 90+ PageSpeed score across mobile and desktop views