

EDUCATION

University Of Florida

Master of Science in Computer Science

Aug 2025 -

Florida, USA

Coursework - Introduction to data science, Mathematics for Intelligent systems

Model Engineering College, APJ Abdul Kalam Technological University

Bachelors of Technology (B. Tech) in Computer Science Engineering, GPA - 9.52/10

2017-2021

Bangalore, India

PROFESSIONAL EXPERIENCE

Bosch Global Software Technologies

Role - **Senior Associate Consultant**

Jul 2024 - Present

Bangalore, India

Project - Mobility Data and Analytics Quality Management domain

- Designed and deployed dashboard for Global Quality Management, integrating complex datasets from SQL Server, Oracle, APIs, and Data Marts into a unified Power BI solution. Post-launch, ensured **~100% data accuracy**, supporting over **1,000 users** with an average of **25,000 monthly views**, and improving user efficiency through actionable insights.
- Managed Bosch's Internal Defect Cost dashboard for Bosch plants, delivering insights on plant performance and failure rates across all global manufacturing sites. **Improved UI/UX** based on stakeholder feedback, enhancing usability and enabling more effective, data-driven decisions to reduce defect costs
- Developed a global Concession Monitoring dashboard for Bosch, **designing a star schema** and integrating data from **12 SAP systems** to deliver real-time insights into active and closed concessions, improving traceability of parts booked across multiple OEMs.

Role - **Software Engineer**

Sep 2021 - Jun 2024

Project - Mobility and Data Analytics Cross & Manufacturing domain.

Bangalore, India

- Automated** the creation and access provisioning of **4,300 Oracle views** for data exploration using **Python**, **reducing a 30-day effort to just 2 days**, and delivering a scalable proof of concept for future automation initiatives.
- Led the end-to-end development of a job monitoring solution for **550 jobs** in the Quality Management domain, integrating Power BI dashboards and PL/SQL-driven email alerts, **cutting stakeholder-reported failures by 90%** and boosting operational efficiency.
- Contributed to **Power BI Ops** by migrating version control from **SharePoint to Azure DevOps**, enhancing collaboration, change tracking, and development efficiency across the BI team.
- Developed a **PySpark script** for comprehensive data cleaning and modeling of Azure cost data for the project, creating optimized backend views for Power BI, enabling detailed analysis of rising costs across multiple projects.
- Implemented a Jira ticket tracking dashboard for Bosch's Mobility domain by ingesting **data via Jira API with pagination**, designing and delivering end-to-end visibility into project and issue management.

INTERNSHIPS

Bosch Global Software Technologies

Role - **Project Trainee**

Mar 2021 - Jun 2021

Bangalore, India

Project - Planisware

- Development of **Rest API with JS/Opx2Script** for transferring data from Planisware system to multiple downstream systems including **Oracle Data Lake, SAP systems**.
- Developed **resource and project allocation reports** to optimize skills management and deployment across Bosch locations in Vietnam, Mexico, and India, **supporting 25K+ resources and 5,000+ projects**.
- Created multiple **Oracle data mart views** tailored to user requirements and **developed PL/SQL scripts** to automate data refresh, optimize, loading, and transformation, ensuring timely and accurate reporting.

SKILLS & CERTIFICATION

Technical Skills : C, C++, Python, Oracle SQL, Planisware, Opx2script, Power BI, PySpark, Azure Synapse (basics), SourceTree and Git

Certifications : **PL-300 Microsoft Certified: Power BI Data Analyst Associate**, Introduction to Data Science in Python.

AWARDS

- Awarded Bravo award at Bosch India for solving a complex task of migrating Planisware v6 to E7.
- Awarded merit scholarship at Model Engineering College for being under the top 2500 students in the Kerala Engineering Architecture Medical entrance examination.

ACADEMIC PROJECTS

Sudoku Solver

Sudoku game is implemented using backtracking algorithm along with GUI in PyGame.

Technologies: Python 3.8 Pygame 2.0dev **Link:** https://github.com/Atul71/Sudoku_game