



Vamsi Antyakula

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Summary

Impact-driven Technology Manager with a strong blend of product thinking, analytical rigor, and cross-functional leadership. Skilled in leveraging AI, automation, and data to drive innovation, operational efficiency, and scalable solutions. Problem-solving mindset, global outlook, and deep passion for building tech-driven products that deliver measurable business and customer value

Professional Experience

Assistant Manager | TVS Motor Company | Hosur, Tamilnadu

- Designed and implemented a technological feature optimising energy consumption during the product development, which led to a **cost saving of ₹5,600 per vehicle**, translating to **~\$13 million annual savings**.
- Spearheaded the end-to-end **development of the cost-optimized iQube09 EV variant**, resulting in a **68% jump in monthly sales (14.5K → 25K units) from launch** flagging TVS no.1 in EV 2W market.
- Conducted **market research** and competitive benchmarking with the strategy team, **leading 10+ customer interviews** to uncover key pain points and innovation opportunities in the **B2B entry-level EV segment**.
- Drove a cross-functional (CFT) project that resolved a critical customer field issue, cutting complaints from **100% to 0% and earning 'Best Project of FY'22', later showcased to the Chairman**.
- Developed and **patented 3 high-impact software algorithms** for EV control systems; scaled across product lines, directly enabling a **15% market share boost to ~\$50M revenue** and positioning TVS as a market leader by 2025.
- Filed **4 international EV patents** across the USA, Thailand, Colombia, and Indonesia, focused on region-specific software innovations further helped TVS secure the **No.1 market position with 25% share (~\$118M)**, reinforcing global EV leadership.
- Presented & implemented a cost reduction idea to CXOs having savings of **2000 INR per vehicle** amounting to **~60 million\$** savings for the company every year, after securing their buy-ins.
- Led the product development in collaboration with Bosch China team for software powertrain solutions for iQUBE and brought in **3L+ sales amounting to revenue of ~360 million\$**.
- Directed a two-member team for **end-to-end EV powertrain calibration and full vehicle-level validation** across all five variants of TVS's flagship EV platform, iQube.
- Achieved a **20% improvement in system efficiency through data-driven tuning** and iterative testing, contributing to **~\$250 million in cumulative sales**.
- Orchestrated product development as **Scrum/Test Master using JIRA**, driving sprint ceremonies and backlog management. **Delivered 30+ connected features** across EV platforms and improved NPS scores by enhancing legacy product experiences.
- Presented & implemented the concept idea in tweaking vehicle control parameters to CXOs that will **reduce the charging time for 2W EV products by 20%** and secure their buy-ins.

Senior Engineer | TVS Motor Company | Hosur, Tamilnadu

- Designed a fast-charging protocol for iQube09, enabling 80% charge in just 2 hours **~30% decrease in charging time** setting an industry benchmark and contributing to **~\$300M revenue**.
- Led powertrain and subsystem testing** vehicle-level software validation for 5 variants and ensuring **regulatory compliance supporting 5L+ unit sales**.
- Led a digital transformation initiative** in designing **Power BI dashboards to digitize test results**.
- Spearheaded end-to-end development of an Africa-focused 2W EV, driving integration, powertrain testing, and software validation. Collaborated cross-functionally to define **10+ performance targets, aligning the product with market entry strategy for emerging markets**.
- Collaborated with cross border counterparts/stakeholders off-board charger supplier **FRIWO headquartered in Vietnam** for software capability plus charging infrastructure development bringing in help **for 3 lakh EV units sold** in the last 3 years.
- Mentored 4 engineers and guided **10+ service engineers** on core diagnostics and after-sales support. Also led a town hall in Bangalore, upskilling **100+ zonal heads during a new variant launch** to drive capability and market growth

Graduate Engineer Trainee | TVS Motor Company | Hosur, Tamilnadu

- Developed a concept DFCM (Driver feedback control model)** which gives real data insights on the rides by customers based on **20+ control vehicle parameters**.
- Filed 5 SOPs/ Testing standards** of EV powertrain vehicle validation & testing and standardized them from scratch.

Education

BTech, Mechanical Engineering – *National Institute of Technology Raipur* | India

2016 – 2020

Accomplishments

- Letter of Appreciation from Chairman, TVS: Won the best project award for FY '22 across all departments, improved NPS on a cross functional team project - pertaining customer field issue and presented it to the chairman of the company.
- Letter of Appreciation from Head NPD 2W EV: Recognized by the AVP, Head 2W EV projects of TVS Motor for solving the field issue of the highest selling variant under yellow belt certification.
- Newton award: Awarded for bringing in the best innovative idea, selected out of 50+ other ideas and implemented in the NPD surrogate projects.
- Received the IP (Intellectual Patent) award for 2023-2024 FY for successful filing of patents in IP annual award ceremony at TVS.
- Top 10 CGPA during graduation at NIT Raipur in a class of 95+ students.
- CFA scholarship holder – amounting to 1240 USD roughly amounting to ~1 lakh in INR.
- Core team member who won the “LIMCA WORLD OF RECORDS” for iQUBE vehicle to unveil world’s highest charging infra in Spiti valley.
- Received an LOR for contribution to the field of education economics particularly in the field of feminist economics under professor Ambrish Dongre, IIM Ahmedabad and eventually published a research paper on “Missing women in economic academia”.

Certifications

- GGI Impact Fellow - Co-authored a consulting style white paper and engaged in experiential learning programs related to consulting and public policy.
- Yellow Belt Certificate Holder – TVS
- Project Management Level D - IPMA, 2022
- Introduction to Big Data – Coursera
- SQL Fundamentals Course – Sololearn
- Fundamentals of Quantitative Modelling – Coursera

Extra-Curriculars

- Position of Responsibility: Elected PGPX Alumni Secretary, IIMA, leading a team of 40+ members.
- Placement convener, NIT Raipur - Drove 95% placement record in Mechanical 2020 branch, highest ever since 2016 upto date.
- Teach for India : Volunteered with TCI, a project titled “Teach to Lead” - Mentored 10+ government school students trying to solve the problem of education.
- Core-Coordinator of Mechanical Engineering Association (MEA), NIT Raipur 2016-20