

# Jacob Mathews Parappuram

(682)-583-2524 • [jacobmathews24@gmail.com](mailto:jacobmathews24@gmail.com) • [www.linkedin.com/in/jmathp](http://www.linkedin.com/in/jmathp) • Arlington, Texas

## CORE COMPETENCIES

Competitor Analysis | Strategy | Continuous Improvement | Cost Reduction | Value stream | Logistics | Transportation | Data Analytics | Project Management | Supply chain | Critical Thinking | Communication | Statistics | Problem solving | Team player | Demand Planning

## EDUCATION

**Master of Science in Industrial Engineering** - University of Texas at Arlington - May 2023 GPA:3.67/4  
Coursework: Operations Research, Advanced Engineering Economy, Probability and Statistics, Applied Linear Regression, Production and Inventory Control and Logistics Distribution System

**Post Graduate Diploma in Operations Management** - IGNOU Bangalore India – April 2021 GPA:3.5/4

**Bachelor of Technology in Mechanical Engineering** – Mahatma Gandhi University, Kerala India - May 2016 GPA:3.3/4

## TECHNICAL SKILLS

**Quality Tools:** Six Sigma, Control charts, Kaizen

**Lean Tools:** Value Stream Mapping, Process Mapping, Kanban, Bottleneck Analysis, TQM, RCA, PDCA, OEE

**Statistical Tools:** Advance Excel, R, Tableau, Time Study, SAS, Minitab

**Programming Languages:** VBA, SQL, C, C++, Python

**Other Skills:** Dassault CATIA v6, AutoCAD, SketchUp, Project Management System tools, MS Word, MS PowerPoint

## PROFESSIONAL EXPERIENCE

**Senior Operational Specialist – Unacademy** – Bangalore, India April 2020 – June 2021

- Scrutinized the quality of the test series papers and accelerated the performance to 94 percent by using expert evaluators.
- Reduced 25% expenses of K12 by statistical method to develop cost estimating relationships.
- Successfully reduced the live test-series error percentage to less than 5% in last two quarters of 2020.
- Oversaw K12 category and its operations and increased the ratings by 2% to reach 95%.
- Planned K12 budget and evaluated topology sections of the test contents, its maintenance, and upgrade.
- Created Excel models using macros to improve auditing and reduced the time consumption by 50%.

**Senior Operational Analyst – Amazon** – Bangalore, India August 2018 – March 2020

- Improved sales and revenue by 23 % deriving competitor pricing using inhouse tools.
- Worked on both data management and optimization, one of the few to handle both sections in the company.
- Generated maximum revenue by price mapping with main competitors and future competitors.
- Associated in Business to Business (B2B) and Business to Customer (B2C) process of competitor monitoring team.
- Managed the team and monitored the Amazon Signified Identification Number (ASIN) for the Social, Media, Analytics, and Cloud (SMAC) team throughout Big Billion Days, Black Friday, and Cyber Monday to maximize company profit.

**Operational Analyst – Wipro Limited** – Bangalore, India January 2017 – August 2018

- Facilitated and structured the Artificial Intelligence vehicle tracks for the Driverless Vehicle Project for Uber.
- Analyzed and audited both quality and production of data with 100% percent quality and precision.
- Developed sample models and scenarios for the project which became part of the cloud system and increased the quality of object tracking by 82%.
- Consistently recognized as a top performer for operations of object tracking using lidar points resulting in depth knowledge of the deep learning module.
- Collaborated with Global Information System experts to develop a private map for Uber and launched the project ahead of schedule.
- Awards: Recognized as Wipro's Best Performer during 2017 yearly award event. ([Click to view Certificate](#))

## PROJECTS

### Academic Projects

**Advanced Engineering Economics - Analysis of the Alternatives Based on NPV** Aug 2021 – Dec 2021  
Based on present worth analysis, salvage value, MARR, payback date, graphical analysis, and other criteria, conducted sensitivity research using MS Excel to pick between two alternatives.

**Probability and Statistics - Simple Linear Regression** Aug 2021 – Dec 2021  
Analysis of a data set including two linearly connected quantitative continuous variables. Simple linear regression analysis and prediction analysis were performed using MS Excel.

### Professional Projects

**Unacademy K12 Test series** January 2021 – June 2021  
Thringly mitigated the cost of K12 test content production by 40 percent by using cost estimating techniques and parametric costing in Unacademy ed tech platform.