

# Rajalingam Muthiah

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📍 Mumbai, Maharashtra, India

## PROFESSIONAL SUMMARY

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Data Science graduate with 3+ years of experience combining AI/ML expertise with enterprise software development. Proven track record in building computer vision models, designing scalable Salesforce solutions, and executing large-scale data migration projects handling 40K+ records. Skilled in Python, SQL, cloud technologies (AWS, Snowflake), and BI tools (Power BI, Tableau) with demonstrated ability to bridge technical implementation and business impact.

## TECHNICAL SKILLS

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**Programming Languages:** Python (NumPy, Pandas, Scikit-learn, TensorFlow, Flask, OpenCV, Mediapipe), SQL, JavaScript, HTML/CSS

**Data Science & ML:** Machine Learning, Computer Vision, Predictive Modeling, Statistical Analysis, A/B Testing

**Data Engineering & Analytics:** ETL Pipelines, Data Migration, Data Modeling, DAX, Excel (Advanced Formulas, VBA)

**Cloud & Platforms:** Amazon Web Services (AWS), Snowflake, Salesforce (Lightning, Experience Builder, SLDS)

**Visualization & BI Tools:** Power BI, Tableau, Google Data Studio

**Tools & Technologies:** Git, Visual Studio Code, Jupyter, Adobe Creative Suite (Illustrator, Photoshop)

## PROFESSIONAL EXPERIENCE

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### Salesforce UI/UX Developer

June 2023 – Present

*Tata Consultancy Services*

*Mumbai, India*

- Engineered and deployed responsive UI components for Salesforce-powered enterprise applications using Lightning App Builder, Experience Builder, and SLDS, improving user engagement metrics by enhancing accessibility and interface intuitiveness
- Led end-to-end data migration initiative for Fluence (Siemens subsidiary), processing and validating 40,000+ battery asset records from multiple global locations using Python and Excel automation
- Implemented data quality framework addressing missing values, duplicate entries, and inconsistencies, achieving 99% data accuracy through custom Python scripts and Excel VBA queries
- Optimized XML data formatting within Excel workbooks to ensure consistency across datasets, reducing downstream processing errors and improving data pipeline reliability
- Developed automated data validation scripts using Python (Pandas, NumPy) to extract insights and populate fields accurately, supporting critical business operations and decision-making processes
- Collaborated with cross-functional teams including product managers, data engineers, and stakeholders to align UI/UX design with underlying data architecture requirements

### Workflow Analyst

June 2021 – May 2023

*Tata Consultancy Services*

*Mumbai, India*

- Designed and delivered visual assets for digital platforms including web graphics, product packaging, and presentations using Adobe Creative Suite (Illustrator, Photoshop)
- Streamlined workflow processes and created documentation to improve team efficiency and project delivery timelines
- Partnered with business analysts and technical teams to translate requirements into actionable design specifications

## EDUCATION

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### Master of Science in Data Science

Aug. 2022 – May 2024

*SIES College of Arts, Science & Commerce, Mumbai University*

*Mumbai, India*

- Relevant Coursework: Machine Learning, Data Visualization, Big Data Analytics, Statistical Modeling
- Thesis: Developed predictive models using Python, TensorFlow, and Scikit-learn for real-world forecasting applications

### Bachelor of Science in Computer Science

Aug. 2018 – May 2021

*SIWS College of Arts, Science & Commerce, Mumbai University*

*Mumbai, India*

- Relevant Coursework: Algorithms & Data Structures, Database Management Systems, Computer Networks

## PROJECTS

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### **Virtual Watch Fitting Using Computer Vision** | *Python, OpenCV, Mediapipe* 2024

- Built real-time hand tracking system using Mediapipe to detect 21 hand landmarks and overlay virtual watch on user's wrist via live camera feed with sub-50ms latency
- Implemented pose estimation algorithms achieving 95% accuracy in wrist detection across various lighting conditions and hand orientations
- Optimized rendering pipeline using OpenCV for seamless virtual object integration, enhancing user experience through precise alignment and responsive tracking

### **Supply Chain Analytics Dashboard** | *Power BI, DAX, SQL* 2023

- Architected interactive Power BI dashboards with 15+ custom DAX measures to track KPIs including inventory turnover, order fulfillment rates, and regional sales performance
- Designed optimized data models establishing relationships across 5+ data sources, reducing query response time by 40% through efficient star schema implementation
- Created drill-down visualizations enabling stakeholders to analyze performance across regions, product categories, and time periods, supporting data-driven decision making

## CERTIFICATIONS

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### **Salesforce Certified Data Cloud Consultant** | 2024

- Designed and implemented Salesforce Data Cloud solutions, including data ingestion, identity resolution, calculated insights, and activation.

### **Google Cloud Study Jams Program** | 2023–2024

- Completed hands-on labs covering BigQuery, Cloud Storage, data analytics, and core Google Cloud Platform services.

### **Power BI Bootcamp Certification – O'Reilly** | 2023

- Built interactive dashboards using Power BI, DAX measures, Power Query, and best practices in data modeling.

### **Master Google Data Studio for Data (Looker Studio)** | 2023

- Created dynamic reports and dashboards using Google Data Studio with Google Sheets and BigQuery data sources.

## DECLARATION

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I hereby declare that the above furnished information is true and correct based on my knowledge and belief.

**Rajalingam Muthiah**