

# KARTIK TATA

Chennai, Tamil Nadu, India

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## SUMMARY

Analytical and detail-oriented **Associate Consultant at Ernst & Young**, specializing in **performance engineering, data analysis, and cloud solutions**. Skilled in **SQL, Python, Power BI, and Azure**, with a proven ability to deliver **20–30% performance improvements**, automate workflows, and provide actionable insights. Seeking an opportunity in **Data Analyst / Data Engineer** role leveraging strong foundations in analytics, data pipelines, and software engineering.

## CORE COMPETENCIES & SKILLS

**Data & Analytics:** SQL | Power BI | DAX | Python | Pandas | NumPy | Matplotlib.

**Data Engineering:** ETL/ELT | Data pipelines | Azure Data Services (Data Factory, Synapse) | Data Lake | Cosmos DB | MySQL | MongoDB

**Performance Testing (secondary):** JMeter | LoadRunner | NeoLoad | Gatling | Workload Modeling

**Cloud & Tools:** Microsoft Azure | Git/GitHub | Jira | Azure DevOps | BigQuery | Hive | Advanced Excel

**Concepts:** Software Development Methodology | Data Curation | Data Analysis | Data Visualization | Extract Transform and Load | Data Warehousing | Agile Methodology | Scrum | Kanban

## PROFESSIONAL EXPERIENCE

### Ernst & Young (EY GDS)

Aug 2024 – Present

Associate Consultant – Performance Test Engineer

Chennai, India

*Skills:* Workload Modelling | STLC | LoadRunner | Azure AppInsights | Azure DevOps

- Led **end-to-end performance testing** for enterprise applications, reducing bottlenecks and improving response times by **20% under peak loads**.
- Automated client reports using **Excel & Power BI**, cutting reporting time by **30%**.
- Partnered with Agile teams to define KPIs and workload models, ensuring reliable delivery across **5+ projects**.
- Conducted root cause analysis on test failures using **Azure AppInsights**, reducing issue resolution time by **25%**.
- Awarded **EY Spot Award (2025)** for outstanding client delivery and contributions to data-driven performance testing initiatives.

### Torus Branding & Design Studio

May 2023 – Jul 2023

Graphic Design Intern (UI/UX)

Chennai, India

*Skills:* Design Thinking | Usability Testing | Figma | Customer Experience | Prototyping and Wireframing

- Designed data-informed UI interfaces, by conducting market research, improving client app usability by **15%**.
- Created wireframes and prototypes using **Figma/Adobe XD**, expediting design feedback loops.

### Sunstone Edutech Pvt. Ltd.

Mar 2023 – May 2023

Full Stack Developer Intern

Chennai, India

*Skills:* Version Control | Git | MERN Stack | SDLC

- Delivered workshops training **100+ participants** in building web applications (MongoDB, Node.js, Express).
- Optimized database queries, improving performance by **20%**.
- Implemented version control & instilling Agile best practices with **Git + Jira**.

## EDUCATION

### SRM Institute of Science and Technology - Chennai, India

2020 – 2024

B.Tech in Computer Science Engineering (IoT Specialization)

GPA: 8.59/10

*Skills:* Data Structures | Machine Learning | Database Management System (DBMS) | Statistics and Probability | Computer Networks | Operating System

### Mayo International School - New Delhi, India

2018 – 2019

Class XII

Percentage: 79.6/100

CERTIFICATIONS

Microsoft Certified: Azure Data Fundamentals

Date of Issue: September 2025

Skills: MS Azure | Relational & Non-Relational Databases | MySQL | Azure CosmosDB | Blob Storage | Azure Synapse

Microsoft Certified: Azure Data Scientist

Associate

Date of Issue: September 2025

Skills: Azure Machine Learning | Data Science | Python Git | Azure DevOps | Big Data

Google Data Analyst Certificate

Date of Issue: August 2024

Skills: Advanced Excel | SQL | Tableau (Basics)

Microsoft Certified: PowerBI Data Analyst Associate

Date of Issue: June 2025

Skills: Data Preparation | Data Cleansing | Data Transformation | DAX Queries | Data Storytelling

GitHub Copilot Certification

Date of Issue: April 2025

Skills: Code Completion | Document Generation | Test Case Creation | AI in Code Writing and debugging

EY Agile Certification

Date of Issue: October 2025

Skills: Agile Methodologies | Scrum Framework | Product Backlogs | Feature Prioritization | Sprints

PROJECTS

Predictive Modeling for Product Trends | Machine Learning | Python | Scikit-learn | TensorFlow November 2024

- Developed a robust predictive model using machine learning techniques to analyze purchasing patterns of different fashion products in India, improving prediction accuracy by 18%.
- Leveraged historical sales data, user demographics, and seasonal trends to train the model.
- Employed Python libraries such as scikit-learn for feature engineering, model selection, and evaluation.
- Achieved an impressive 90% accuracy in predicting upcoming fashion trends, enabling the company to proactively stock popular items, thereby also reducing excess inventory by 20%

Data Visualization for AQI in Cities of India | Python | Data Analysis | PowerBI | Pandas | NumPy August 2024

- Conducted an in-depth analysis of air quality index (AQI) data for major cities in India.
- Explored trends and pollution hotspots using Pandas, NumPy, Matplotlib, and seaborn.
- Communicated findings through interactive charts, heatmaps, and geographical visualizations.

RECOGNITIONS

- EY User Recognition - Spot Award (2025)
- 3rd Prize – Adobe Designathon, IIT Delhi (2023)
- 2nd Prize – Instrumental Music, SRM (2023)
- Appreciation – EY NextGen Employability CSR Initiative (2025)
- 3rd Prize - Band Competition, NIFT (2023)

SOFT SKILLS

- Team Work
- Integrity
- Leadership
- Time Management
- Problem Solving
- Adaptability
- Ethical Judgement
- Effective Communication