

Ashutosh Kumar

Analytics Engineer

Bengaluru, India

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PROFESSIONAL SUMMARY

Detail-oriented and data-driven professional with 3 years of experience transforming complex engineering datasets into actionable business insights. Skilled in analyzing large-scale data, building automated dashboards, and optimizing reporting workflows. Proficient in SQL, Python (Pandas, NumPy, Matplotlib, Beautiful Soup), Excel, and Power BI.

SKILLS

- **Data Analytics & Visualization:** Power BI (DAX, Dashboards, Drilldowns), Excel (Pivot Tables, Power Query, Power Pivot)
- **Programming & Data Processing:** SQL(Joins, Subqueries, CTEs, Window Functions), Python (NumPy, Pandas, Matplotlib)
- **Statistics & Experimentation:** EDA, Correlation, Hypothesis Testing, DOE, A/B Testing
- **Data Wrangling & Modeling:** Data Cleaning, ETL, Data Validation, Data Profiling, Data Modeling
- **Databases & Data Handling:** MySQL, PostgreSQL, Engineering Clients
- **Cloud & AWS Tools:** S3, Athena, Redshift, Quick Sight
- **Soft Skills:** Analytical Thinking, Problem Solving, Communication, Teamwork, Attention to Detail

EXPERIENCE

Analytics Engineer II: RLE India Private Limited (May 2023 - Present)

Client: Mercedes-Benz Research & Development India, Bengaluru (Onsite)

- Analyzed large-scale crash, durability & thermal simulation datasets to improve product consistency.
- Built SQL-based reporting frameworks, optimizing workflows with advanced joins, CTEs, and window functions.
- Developed interactive Power BI dashboards with DAX KPIs, drilldowns, anomaly alerts & trend visualizations.
- Automated Python & Pandas preprocessing pipelines, cutting data prep time by 20%.
- Scraped & structured benchmarking data (A2MAC1) for competitive insights.
- Applied EDA, DOE, correlation, A/B & hypothesis testing for material/design decisions & statistical validation of simulations.
- Collaborated cross-functionally to embed simulation insights into product development; received 2 Quarterly Awards.
- Currently expanding expertise in supervised & unsupervised ML (classification, regression, clustering, forecasting).

Analytics Engineer I: AXISCADES Technologies Ltd. (Aug 2022 - May 2023)

Client: Mercedes-Benz Research & Development India, Bengaluru (Onsite)

- Analyzed crash & durability simulations to identify design/material issues.
- Built SQL queries & automated data extraction (30% faster prep).
- Developed initial Power BI dashboards with KPIs & basic DAX measures.
- Used Power Query & Excel (pivots/lookups) for data transformation & reporting.
- Collaborated with design/testing teams to translate simulation insights into actions.

EDUCATION

B. Tech, Mechanical Engineering, Vel Tech R&D Institute of Science and Technology, Chennai - 2021

HSC, RPS College, Harnaut (Nalanda) - 2017

SSLC, Shivam International school, Nalanda, CBSE - 2015

CERTIFICATION

- Six Sigma Green Belt
- Six Sigma Yellow Belt
- Entrepreneurship (Specialization)
- Leadership Development for Engineers
- Engineering Project Management
- Managing Major Engineering Project

LANGUAGE

- English: Professional working proficiency
- Hindi: Native or bilingual proficiency