

VISHAKHA TOMAR

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PROFESSIONAL EXPERIENCE

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| MediaTek | Noida, India |
| <i>Project Manager</i> | July 2019 – April 2021 |
| <ul style="list-style-type: none">Managed quality analysis projects of 5 Modem generations of MediaTek Chipset based on 3GPP/3GPP2 releases of wireless technology.Expanded the Mass Production Regression activity to a team of 11 members in local, China and Taiwan sites from a team of 2 members at local site.Achieved 100% Annual Operational Plan (AOP) Goals for the business unit, devised project KPIs, used data analytics for monitoring performance and finding actionable insights to meet and expand on KPIs. Used CANI (Continuous and never-ending Improvement) approach to meet the business goals. | |
| MediaTek | Noida, India |
| <i>Engineer</i> | August 2017 – June 2019 |
| <ul style="list-style-type: none">Standardized the system, data collection and management of the Regression activity. In 6 months, achieved 100% standardization.Developed a dashboard using Tableau for run time data analytics and data visualization. Reduced the Data Analytics and Process Improvement' effort by 70% using automation and dashboard.Reduced customer tickets by 45% in 2020 by enhancing the regression activity using the analytics form the dashboard. | |

EDUCATION

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| New York University | New York, USA |
| <i>Master of Science in Computer Engineering, 3.667GPA</i> | Sep 2021 - May 2023 |
| Dr. APJ Abdul Kalam Technical University | Lucknow, India |
| <i>Bachelor of Technology in Electronics Engineering, 81.9%</i> | Aug 2013 - May 2017 |

SKILL

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- Languages:** Python (Numpy, Pandas, matplotlib, streamlit), C, SQL, HTML
 - Database & Data Analytics:** Azure MySQL, PostgreSQL, Tableau, ELT, MS Excel
 - Project Management:** Operational Planning and Scheduling, Resource management, Budgeting

ACADEMIC PROJECTS

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| Health Information Management System Database Project | Jan 2022-May 2022 |
| <ul style="list-style-type: none">Implemented an application for Health Information Management system involving full stack development to support the online transaction processing database.Created Data Warehouse for OLTP transactions and added partitioning, indexing etc. Integrated with Tableau for business analytic | |
| Air Travel Insurance Database system to aid in business intelligence | Nov 2022 -Dec 2021 |
| <ul style="list-style-type: none">Designed and developed a relational database that stores data of insurance taken by air travelers for data analytics to aid in business intelligence.Developed a front-end website application to enable data manipulation operation on the database.Technologies used: Postgres, Python: Streamlit, Oracle Data Modeler | |

LEADERSHIP AND EXTRA-CURRICULARS

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| Graduate Course Assistant, New York University | Jan2022 -May 2022 |
| <ul style="list-style-type: none">Teaching assistant to 100 students at the course <i>Principles of database systems</i> under Prof. Amit Patel. | |
| Student Mentor, Gradvine | Aug 2021-Present |
| <ul style="list-style-type: none">Guiding students for their preparation in pursuing higher studies (MS) abroad. | |