

# Ashwin Muthiah Murugappan

📍 Boston, MA

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## EDUCATION

**Master of Science in Industrial Engineering - Northeastern University, GPA 3.90/4.00** **Dec 2020**

**Coursework** - Probability & Statistics, Data Mining, Deterministic Operations Research, Data Management and Database Design, Data Visualization, Machine Learning in Finance, Algorithms for Digital Marketing

**Bachelor of Science in Mechanical Engineering – Anna University, India, GPA 4.00/4.00** **May 2018**

## RELEVANT SKILLS

<b>Databases and Warehouses</b>	Oracle SQL Developer, MYSQL, MS SQL Server, MongoDB, Snowflake
<b>Business Intelligence</b>	Tableau Desktop, Power BI, Qlik Sense, Qlik View, Looker, Tibco Spotfire, AWS Athena
<b>Programming Languages</b>	Python, SQL, R, NoSQL, JavaScript, PySpark, Shell Scripting
<b>Cloud Stack</b>	AWS Redshift, AWS RDS, Lambda, Google Cloud SQL, BigQuery, Cloud Functions
<b>Analytics tools</b>	MS Excel, Google Analytics, MS Access, Alteryx, Tableau Data Prep

## EXPERIENCE

**Data Analyst, Post Market Systems, Abiomed, Inc., Boston, MA** **Jan 2020 – Present**

- Built automated Tibco dashboards to measure and monitor product failure patterns, increasing operational efficiency by 20%
- Developed python web crawler to scrape and search over 500,000 medical research papers to identify potential complaints
- Modified existing data integration packages to merge data tables from salesforce, complaints and legacy systems
- Collaborated with cross-functional stakeholders to identify KPI's for product performance, resulting 15% decrease in failure rate
- Optimized SQL queries to analyses complaints data and identify root causes of issues and deliver data-informed decisions
- Lead training programs to promote, engage, and demonstrate intuitive and visual analytics tools to all partners

**Data Analyst, Research Assistant, Northeastern University, Boston, MA** **Jan 2019 – May 2019**

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**Operations Analyst, Research Assistant, Sri Venkateshwara College of Engineering, Chennai, India** **Jun 2016 – Jun 2018**

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**Data Analyst Intern, Caterpillar Inc, Chennai, India** **Jun 2017 – Aug 2017**

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## PROJECTS

**Project** **Jan 2019 –Apr 2019**

- XYZ
- XYZ
- XYZ

**Project** **Oct 2018 – Dec 2018**

- XYZ
- XYZ
- XYZ

**Project** **Oct 2018 – Dec 2018**

- XYZ
- XYZ
- XYZ

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