



## Aggarwal, Gitansha

Mobile: (+65) 80727101,

(+91) 7206080189

Languages: English, Hindi, Japanese (Beginner)

Location: Singapore (open to relocate)

Email: [gitansha001@e.ntu.edu.sg](mailto:gitansha001@e.ntu.edu.sg)

LinkedIn: <https://www.linkedin.com/in/gitansha-aggarwal>

### SUMMARY

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Machine Learning Engineer with 2+ years of experience developing scalable AI solutions and optimizing data pipelines using Python, PySpark, and Azure Cloud. Pursuing an MSc in Business Analytics at NTU, Singapore, with expertise in bridging technology and business through advanced machine learning and predictive modeling. Proven ability to deliver data-driven solutions, enhance operational efficiency, and drive innovation in fast-paced, dynamic environments.

### SKILLS

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**Programming Languages:** Python, Pyspark, R, T-SQL, Docker, Version Control System (VCS), Git, Markdown, HTML, Excel

**Cloud & Software Tools:** Azure Cloud & Services, Azure DevOps, Power BI, Tableau, conda environment, Knime, UiPath

**Soft Skills:** Team Management, Data Analysis, Cross-functional Collaboration, Problem Solving, Reporting, Strategic Planning & Support

### PROFESSIONAL EXPERIENCE

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**Tiger Analytics, India (Multinational Advanced Analytics and AI consulting firm, recognized by Forbes and Inc 5000)** Jul 2022 – Jul 2024  
**Senior Analyst – ML Engineer**

- Streamlined ETL framework in PySpark for a global confectionery and pet care company, achieving a 25% reduction in processing time and ensuring 100% compliance with data infrastructure and reporting requirements..
- Automated data solutions using Azure Data Factory and Databricks, hadoop achieving a 30% reduction in manual intervention and enhancing operational efficiency, supporting real-time insights in large-scale systems

**Analyst – ML Engineer**

Jul 2022 – Jul 2023

- Collaborated with ML-Ops team to build ,maintain and monitor Azure services for an multinational automobile industry client, including Azure Data Factory, Databricks, Logic Apps, and Function Apps, supporting a platform to process data daily for 7 international markets.
- Designed and implemented data migration and integration automation pipelines on Azure, reducing deployment time by 40% and ensuring 98% uptime during production rollouts.
- Developed automation scripts and dashboard to publish 60+ websites' web scrapping results using Databricks REST APIs, increasing operational efficiency by 55%.

### PROJECTS

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**EstiMATE - Business Valuation Model and website (Python, ML, React, API)**

Sep 2024 – Oct 2024

- Created an end-to-end business valuation platform using Python and React, incorporating ARIMA models for accurate stock trend predictions. Enhanced user decision-making through interactive visualizations and key financial metrics.
- Introduced sentiment analysis using Stocknews API to assess bullish or bearish trends in company news, displaying top 3 relevant headlines with verification links. Incorporated intuitive UI features and comprehensive financial insights, facilitating better market understanding for users with limited financial expertise.

**Data Analysis and Strategy Development to Minimize Banking Churn (Python, ML, Data Visualisation, Strategies)**

Sep 2024 – Oct 2024

- Planned data processing and model development structure to achieve 85% accuracy using multiple models including logistic regressor and random forest.
- Conducted in-depth research alongside team to propose churn reduction strategies for 3 distinct geographies, identifying trends and formulating actionable insights for future application.

**Tableau Dashboard Development (Tableau, Visualization, Strategies)**

Sep 2024 – Oct 2024

- Designed an interactive Tableau dashboard for a team project analyzing the happiness index across various countries over the past decade. Visualized trends, correlations, and factors influencing well-being, delivering an accessible and engaging analysis.
- Developed a Netflix Content Analysis dashboard, providing insights into genre distributions, release trends, and regional availability. Enabled data-driven decisions in media consumption and production through an in-depth exploration of content patterns.

### EXTRA-CURRICULAR ACTIVITIES

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**Undergraduate College Fest**

Jan 2019 – Feb 2019

**Technical PR Team Coordinator**

- Managed a team of 12 members to coordinate with 20+ colleges for event participation and management.

- Facilitated a 2-day ethical workshop hosted by Edufabrica helping 50+ students from various states to improve their technical skills.

## EDUCATION

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- **MSc Business Analytics**, Nanyang Business School, Nanyang Technological University, Singapore **Jul 2024 – May 2025 (expected)**  
**Relevant coursework:** Database Management & visualization, Analytics Strategy, AI & Big Data in Business
- **B.Tech. Computer Science & Engineering**, International Institute of Information Technology, Bhubaneswar, India **Aug 2018 – Jun 2022**

## CERTIFICATIONS

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- **Initiating and Planning Projects**, University of California, Irvine (via Coursera) **Sep 2024**
- **Managing Project Risks and Changes**, University of California, Irvine (via Coursera) **Sep 2024**
- **AI Classroom Series**, conducted by Microsoft on Azure Deployment, AI and ML Model Training and Development **Oct 2020**

## INTERESTS

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- Basketball – Competed in college team, achieving 2nd runner-up in four inter-college tournaments and 1st runner-up in one tournament.
- Dance – Member of Graduate Students' Indian Dance Crew, with a diploma in Kathak, fostering creativity, discipline, and collaboration in all aspects of life.
- Career Subcommittee – Member of the Graduate Students' Career Subcommittee Member, helping fellow students find their desired profiles.