

# LIKITHA PUTTASWAMY

📍 Glasgow, UK    ✉ likithaputtaswamy20@gmail.com    ☎ 0788 713 96 85    in Likitha Puttaswamy    [Portfolio](#)

## SUMMARY

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Experienced software and data science professional with a background in full-stack development and a strong academic focus on public policy and governance. Pursuing an MSc in Data Science for Politics and Policy Making at the University of Strathclyde, with practical experience in Python, SQL, machine learning, Power BI, and policy analysis. Skilled at transforming complex datasets into actionable insights to inform evidence-based decisions. Passionate about using data-driven approaches to solve challenges in government, public services, and social policy.

## PROFESSIONAL EXPERIENCE

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### Data Analyst Intern

July 2025 – Present

#### Data Glacier

Glasgow, United Kingdom

- Analyzed delivery schedules of 3 logistics providers using MS Excel, uncovering trends and inefficiencies across distribution centers, reducing delays by 15%.
- Conducted exploratory data analysis (EDA) using Python to identify 3 critical factors—peak shipping times, route congestion, and warehouse delays leading to data-driven logistics optimization.
- Developed an interactive Power BI dashboard featuring 8 KPIs, providing actionable real-time insights that improved delivery efficiency by 20%.

### Associate Software Engineer HCL Technologies Pvt Ltd

Dec 2020-Oct 2023

- Full-stack developer for a high-volume US cheque clearing system; led modernization from legacy to microservices architecture using Java, Spring Boot, Hibernate.
- Ensured 100% data accuracy during system migration by developing and testing cheque processing modules and writing advanced SQL for data validation.
- Actively contributed to Agile ceremonies; partnered with analysts and senior devs to convert business needs into clean, well-documented code.
- Improved code quality by maintaining unit tests and reducing production bugs by 15%; used Git for collaborative version control and code reviews.

## EDUCATION

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- **University of Strathclyde**, Glasgow, Scotland, United Kingdom  
MSc in Data Science for Politics and Policymaking 2024 – Present
- **BMS College of Engineering**, Bangalore, Karnataka, India  
Bachelor of Engineering (B.E.) Information Science and Engineering, **CGPA: 7.71/10** 2017 – 2020
- **MEI Polytechnic**, Bangalore, Karnataka, India  
Diploma (J.E. Junior Engineer) in Computer Science Engineering 2014 - 2017

## TECHNICAL SKILLS

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- Programming: Python, R programming, SQL(Advanced), PHP, HTML, JavaScript, Java.
- Visualization Tools: Power BI, MS-Excel, Jupiter Notebook, Google Collab, Excel Charts
- IT Skills: GitHub, Jira, Azure.

## RELEVANT PROJECTS

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### Student Performance Prediction using Machine Learning

- Processed a dataset of 6,607 student records using Python, Pandas, and NumPy for data cleaning and analysis.
- Developed a Linear Regression model ( $R^2 = 71.49\%$ ) to predict student exam scores.
- Implemented K-Means Clustering to segment students based on study habits and performance.
- Created data visualizations (heat maps, scatter plots, histograms) to derive key insights.

### Spotify Genre Classification using Machine Learning

- Processed and analyzed a Spotify dataset of audio features to classify music genres.
- Applied Logistic Regression, Random Forest, and Gradient Boosting for predictive modeling.
- Performed feature engineering using PCA, interaction terms, and aggregated energy scores to enhance model performance.
- Addressed class imbalance using random oversampling for better generalization.
- Optimized models using GridSearchCV, achieving a Kaggle test score of 58.9%.

### Power BI Healthcare Dashboard Project

- Designed an interactive Power BI dashboard for a healthcare service provider, analyzing over **£4.2M** in billing data across service types, procedures, and geographic locations.
- Integrated and visualized KPIs such as **treatment cost, insurance coverage, medication expense, and out-of-pocket amounts**, improving stakeholder visibility into healthcare economics.
- Used **DAX measures, Power Query**, and slicers to enable dynamic filtering by year, city, and department, supporting data-driven decision-making.
- Highlighted key insights, including procedure-level costs (e.g., **X-Ray: £1.4M, CT Scan: £924K**) and billing trends by **service type (Outpatient: 47%)** and **diagnosis category**.

## ADDITIONAL WORK EXPERIENCE

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### Warehouse Operative @GXO Logistics – Glasgow, Scotland, UK (*Jan 2025 – Present*)

- ☐ Maintained accuracy and speed in sorting, scanning, and preparing parcels for dispatch.
- ☐ Balanced academic commitments with weekend shifts, demonstrating strong time management.

### Warehouse Associate @Amazon – Glasgow, Scotland, UK (*Nov 2024 – Jan 2025*)

- ☐ Supported high-volume operations during peak season; handled order picking, scanning, and packing.

## CERTIFICATIONS

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- **Java Full Stack Developer Program** *Great Learning (by HCL Technologies) – 2022*
- **IBM Skills Build** – [Data Fundamentals](#) (Jan 2025)
- **Preparing for Your Professional Data Engineer Journey** *Google Cloud – Earned Jul 2025*