**PURVI WAMAN BHOYAR**

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**Profile**

A results-driven Master’s candidate in Computer Science with hands-on experience of more than 1 year in data-driven projects and analytics using Python, Java, SQL, and machine learning techniques with a focus on turning complex data into valuable business insights. Proven ability to work in teams, optimizing operations and solving challenging problems

**Education**

* **MSc in Computer Science** | University College Dublin, Dublin, Ireland | Sept 2024 – Sept 2025

*Key Modules*: Data mining, Machine Learning with Python, Big Data Programming, Cloud Computing, Java Programming, etc.

* B.E. in Computer Science Engineering | Government College of Engineering, India | Aug 2019 – Aug 2023

**Key Skills**

* **Programming languages:** Python, SQL, Java, C++, SQL
* **Data Analytics Tools:** Tableau, MySQL Workbench, Pandas, NumPy, scikit-learn
* **Business Intelligence & Data Engineering:** Data Modelling, Data Warehousing, ETL, data manipulation
* **Machine Learning & AI:** Supervised & Unsupervised Learning, Natural Language Processing
* **Collaboration & Version Control:** Git, GitHub, Jira, Docker
* **Soft Skills:** Problem-Solving, Team collaboration, Public Speaking, Client Reporting

**Work experience**

**Jr. Product Analyst** | HotelKey India Pvt Ltd | Sept 2023 – June 2024

* Generated weekly data analysis reports of 4xx/5xx errors improving service delivery and company workflow using Python, SQL, Mathematics, and Microsoft Excel resulting in an error reduction of 80% within a month
* Produced daily client reports using Microsoft Excel and Python, such as Marchex Report regularly
* Monitored AWS cloud infrastructure with more than 95% accuracy and managed the Company’s hospitality software issues, such as Room Overbookings, Reservations IN/OUT, room availability and rates, software malfunction, etc.

**Software Engineer Intern** | Persistent Systems India | Jan 2023 - July 2023

* Developed web pages using JavaScript, HTML, CSS, Java, and version control (Git/GitHub) for continuous assessments.
* Identified and implemented Java solutions for mentor-provided problem statements, collaborated with the Java team, and gained expertise in database connectivity

**Software Summer Intern |** Zoho Corporation India | May 2022 – June 2022

* Enhanced Python proficiency by implementing various data analysis projects, such as Chips Production dataset and Mobile Sales Data Analysis using collaborative datasets
* Collaborated effort in optimizing algorithm (Dijkstra’s algorithm) for global location searches, reducing complexity by 65%
* Worked with the R&D team on technology research and development, fostering strong relationships with peers and enhancing confidence and teamwork

**Business Development Intern** | GearToCare India | July 2021 – Aug 2021

* Analysed business strategies and focused on Instagram and other social media business marketing
* Engaged in group discussions, public speaking, and teamwork for daily tasks and understanding the business mode

**Projects**

* **LLM** **Retail Industry project** (Ongoing project)

1. Developed a real-time inventory management system for a retail store using **LangChain** Framework, **Google Palm LLM**, and **Hugging Face Embeddings**
2. Created an intuitive UI using **Streamlit**, enabling natural language queries for inventory updates and stock analysis

* [Employee attrition real-life data analysis](https://github.com/PurviBhoyar21/Employee-Attrition-Analysis-Model-using-NLP/tree/master) (Real-world Data)

1. Collected and pre-processed data to build a machine-learning model for predicting employee attrition across various companies
2. Conducted data analysis using NLP techniques to analyse employee reviews, employing libraries such as scikit-learn, **NLTK**, and **TextBlob**.
3. Achieved 96.5% accuracy with **logistic regression**, **XGBoost**, and presented insights throughvisualisation on **Tableau**, with the project hosted on GitHub.
4. Awarded "Best Project" at the Project Showcase intra-college competition

**Certifications**

* **AWS Machine learning** | Udacity
* **AI Classroom Series** | Microsoft
* **Hacktoberfest & 30 Days of Google Cloud**
* **Artificial Intelligence Course** | Edunet Foundation
* **NSDM Data Science Course** | NSDM

**Achievements**

* Women in tech lead, Google Students Developer Club (2021)
* **Young Developer Guest Speaker**, Open Weaver YouTube Event (2022)
* Earned AWS Machine learning batch, [NSDM Data Science course](https://drive.google.com/file/d/1VH78jHV8e8D0ybvZaRTPGyTiyEaIk4V3/view?usp=sharing) completion certification (2022)
* Won the position of ‘Lady Representative’ for 3 consecutive years in college (2019-2022)

**Interests & Extra-Curricular Activities**

* Leadership and Teamwork - Served as the 'Lady Representative' for three consecutive years during my undergraduate studies, organizing events and leading teams to foster a positive campus environment.
* Completed an internship in Content Writing through Internshala (2022), developing strong communication and writing skills.
* Passionate about dance, managing a personal dance-focused social media platform, combining creativity with digital content management.