Pruthvi Shyam Billa

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● [LinkedIn](#) ● [Personal-Website](#) ● [Work-Website](#) ● [GitHub](#) ● [Tableau](#)

SUMMARY

A highly motivated & passionate professional with 6+ years of experience. Proven track record of successfully working in the IT industry & implementing various defect-free projects, services, and components, with hands-on experience in data science & analytics, predictive models, python programming, cloud technologies, and project management. Fervently waiting to leverage learned skills and contribute to the industry where it is in high demand.

EDUCATION

University of Maryland   **College Park, MD, USA**
Master of Science, Information Systems, GPA: 3.9   **August 2022 – December 2023**
- Graduate Assistant: UM Extension
- SMSA Orientation Committee Member

Jawaharlal Nehru Technological University   **Hyderabad, India**
Bachelor of Technology, Electronics and Communication Engineering, GPA: 3.53   **June 2012 – May 2016**

WORK EXPERIENCE

University of Maryland   **College Park, MD, USA**
Web Manager   **January 2024 – Present**
- Perform web development, data analysis of web traffic, and streamline operations to improve efficiency.
- Collect, clean, transform data, and use data science techniques to improve user experience and aid digital literacy.

Pixxel Space Technologies   **El Segundo, California**
Analytics RnD Intern   **June 2023 – August 2023**
- Demonstrated exceptional leadership by implementing in-house code development and project management practices for satellite imagery, achieving a 30% increase in team productivity and 100% client satisfaction.
- Developed and implemented advanced statistical models and machine learning algorithms to reduce noise using Python, improving overall image classification accuracy by 6%.

Tata Consultancy Services   **Mumbai, India**
Analyst   **July 2021 – July 2022**
- Remodeled processing of high-risk prepaid cards with Python and SQL, ensuring a 10% decrease in bad debts.
- Optimized package deployment using VBS scripts, resulted in 25% faster execution time saving $50K annually.
- Created insightful charts, dashboards, and metrics to visualize and report data analyses across various business units.

Tata Consultancy Services   **Mumbai, India**
Software Engineer   **June 2016 – June 2021**
- Developed three Python modules to efficiently store the gift card fulfillment timing of prepay reservations in database for Amazon Prime users, leading to a 12% increase in cross-platform business transactions.
- Led group of 6, collaborated with e-commerce, mobile teams on MS Teams & Jira, reducing 20% delivery time.
- Performed unit and system testing to prepare test results and created code review checklist documents.

PROJECT EXPERIENCE

Airbnb (*Python, R, Flask, HTML, CSS, JavaScript, Tableau, MongoDB*)
- Optimized ML models to predict high booking rates of Airbnb properties, improving AUC from 77% to 90%.
- Created Tableau dashboards for Airbnb pricing, identifying insights: US average price consistently greater than $100 with majority 58.61% customers renting entire room property type.

Hugging Face (*Python, AWS, HDFS, Pig, PySpark, Colab*)
- Fine-tuned a BERT model to predict the topic of user posts on Stack Exchange sites with a test accuracy of 96.9%.
- Utilized a transformers model to generate summaries of 10 Daily Mail reviews with 0.81 average BERT 'F1' score.

SKILLS

Languages and Databases*: Python, C & C++, R, Java, JavaScript, Flask, HTML, CSS, SQL, MS SQL Server, MongoDB.*
Data Competencies*: Data Science & Analytics, Data Mining, Visualizations, Machine Learning, Deep Learning, LLM.*
Big Data Framework*: Hadoop, MapReduce, Pig, Hive, Sqoop, Spark.*
Tools*: AWS, Azure, Google Analytics, Tableau, GitHub, Jira, Docker, Jenkins, Postman, Agile Methodology.*
Microsoft Office*: Excel, Word, PowerPoint, SharePoint, Power BI, Power Automate, Teams.*
Interpersonal*: Communication, Presentations, Teamwork, Leadership, Problem-Solving, Critical Thinking.*

CERTIFICATIONS

AWS Certified Cloud Practitioner | Recipient of TCS Service and Commitment Award | Diploma in Carnatic Music.