

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, software engineering, 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

Master of Science, Information Systems, GPA: 3.9

College Park, MD, USA

August 2022 – December 2023

- Graduate Assistant: University of Maryland Extension.
- Courses: Project Management, Big Data & AI, Finance Information Systems, Data Mining & Predictive Analytics.

Jawaharlal Nehru Technological University

Bachelor of Technology, Electronics and Communication Engineering, GPA: 3.53

Hyderabad, TS, India

June 2012 – May 2016

- Courses: Data Structures & Algorithms, Object Oriented Programming, Computer Networks.

WORK EXPERIENCE

University of Maryland

Web Manager

College Park, MD, USA

January 2024 – Present

- Perform web development, data analysis of web traffic, manage and streamline operations to improve efficiency.
- Collect, clean, process data, and use data science techniques to improve user experience and aid digital literacy.

Pixxel Space Technologies

Analytics RnD Intern

El Segundo, CA, USA

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

Analyst

Mumbai, MH, India

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.
- Developed insightful charts, dashboards, and metrics to visualize and report data analyses to various business units.

Tata Consultancy Services

Software Engineer

Mumbai, MH, India

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.
- Created design documents, use cases, code review checklist, test plans & results for implementation.

PROJECT EXPERIENCE

Airbnb

- 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

- 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, 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.

Tools: AWS, Azure, Google Analytics, Tableau, GitHub, Jira, Docker, Jenkins, Postman, Agile Methodology.

Microsoft Office: Excel, Word, PowerPoint, Visio, SharePoint, Power BI, Power Automate, Teams.

Interpersonal: Leadership, Communication, Presentations, Teamwork, Problem-Solving, Critical Thinking.

CERTIFICATIONS

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