

Prathamesh Mohan Malage

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- [LinkedIn](#) • [GitHub](#) • [Portfolio](#) • [Tableau Public](#)

EDUCATION

University of Maryland, Robert H. Smith School of Business

College Park, MD, USA

Master of Science, Major: Information Systems, GPA: 4.0

Dec 2022

Data, Models and Decisions, Data Mining and Predictive Analytics, Big Data and Artificial Intelligence, Data Analysis using Python

University of Mumbai, Rajiv Gandhi Institute of Technology

Mumbai, MH, India

Bachelor of Engineering, Major: Electronics and Telecommunication, GPA: 3.7

Oct 2020

WORK EXPERIENCE

TGS

Houston, TX, USA

Cloud Developer Intern

June 2022 – Present

- Containerized applications using Docker and deployed it on GKE clusters hosted on Google Cloud Platform
- Built CI/CD pipelines using Azure DevOps and created Kubernetes clusters (GKE) spanning multiple zones using Terraform (Infrastructure as Code) resulting in 20% deployment efficiency and increased availability of applications
- Checked for known vulnerabilities in applications by generating SBOM and uploaded it on Dependency Track enhancing security and deployment of robust applications in the cloud infrastructure and automated entire process using CI/CD pipelines and cloud functions
- Deployed monitoring applications Zabbix and Wazuh on GKE cluster using helm charts

Software AG

Mumbai, MH, India

Software Developer (January 2021 – May 2021)

July 2020 – May 2021

- Developed management bots for Cisco using NodeJS, resulting in increased productivity, and reduced latency
- Predicted growth of approximately 15% in customers using bots by end of 2021 and visualized it using Excel
- Trained interns and facilitated their onboarding process by being the sole point of contact

Intern (July 2020 – December 2020)

- Debugged and solved 90% of bot integration issues faced by customers through support tickets as a single point of contact
- Formulated monthly reports to drive analytics on bot utilization for Cisco team using pivot tables and MS Excel

PROJECT EXPERIENCE

Data Processing and Visualization: Song Recommendation System (Python, Jupyter, NumPy, Pandas, requests, seaborn, matplotlib) October 2021 – December 2021

- Collaborated with team of five to analyze Spotify users' listening habits by leveraging playlist data and API calls
- Collected data from 1,000 playlists (65,000 songs) to visualize factors affecting playlist/song choice and optimized recommendation system; performed explanatory analysis to understand what makes a track popular
- Recommended a playlist of 10 songs by leveraging cosine similarity

Kickstarter Project Success Ratio (R, Text Mining, Feature Engineering, XGBoost, Gradient Boosting Machine, Random Forest, Regularization) March 2021 – May 2021

- Collaborated with team of four, performed data wrangling and analysis of 97,000+ Kickstarter projects
- Analyzed factors that makes projects successful in collecting goal amount
- Performed text mining, feature engineering, hyperparameter tuning, and trained ensemble models to predict with an accuracy of 80% whether project will be successful in reaching goal amount

Kyrgyz Republic Dashboard (Tableau, Microsoft Excel, [Kyrgyz Republic](#))

March 2021 – May 2021

- Presented interactive Tableau story of Kyrgyz Republic
- Cleaned, analyzed, and visualized relevant data of past 25 years from World Bank
- Deciphered economic, social condition; compared it to their neighboring countries and suggested solutions in tackling issues.

TECHNICAL SKILLS

- **Programming Languages and Frameworks:** Python, Terraform, SQL, Linux, JavaScript, NodeJS, NoSQL, JSON, YAML, GIT, Agile, SDLC, OWASP, SonarCloud, Bill of Materials (BOM)
- **Tools:** Google Cloud Platform (GCP), Amazon Web Services (AWS), Kubernetes, Docker, Linux, Tableau, Google Analytics, Microsoft SQL Server Management Studio, PostgreSQL, GitHub, Azure DevOps, GitHub Actions, Helm Charts
- **Core Skills:** Data Visualization, Data Processing, Business Intelligence, Relational Databases, Data Analytics, Cloud Concepts

LEADERSHIP AND VOLUNTEER EXPERIENCE

Smith Master's Student Association, Student Ambassador

August 2021 – December 2021

- Smith Master's Student Association Fall 2021 Student Ambassador for Administration and communicated about various events to 400+ Smith's Master students.

Impact Consulting Fellowship, Bethesda Green

October 2021 – December 2021

- Collaborated with a team of six business students to gather requirements, analyze, design, and develop a strategy for Bethesda Green to bring in new clients and streamline their B-Corp certification
- Recommended CRM (Zoho) which resulted in addition of new clients by 150% in a span of three months