

PRATICHI

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EDUCATION

The George Washington University, School of Engineering & Applied Science

Washington, DC

Master of Science in Computer Science, GPA: 3.75/4.0

January 2024 - May 2025

- Relevant course work: Design Analysis Algorithms, Database Management Systems, Machine Learning, Cloud Computing, Data Mining, Advanced Software Paradigm

Savitribai Phule Pune University

Pune, India

Bachelor of Engineering in Computer Science, CGPA: 8.71/10

June 2016 - September 2020

- Relevant course work: Data Structures, Algorithm, Object Oriented Programming, Web Development, Software Engineering, Data Analytics, Artificial Intelligence and Robotics

TECHNICAL SKILLS

- Technical Skills: Python, C++, R, HTML5/CSS, JavaScript, MySQL, Git, VS Code, Jira, GitHub, Postman
- AWS Cloud: EC2, RDS, VPC, S3, Lambda, IAM, ELB, CloudWatch, DynamoDB, Lex, Amazon Sagemaker
- Frameworks/Libraries: Reactjs, Flask, Jenkins, SQL Developer, Oracle data modeler, Customer Relationship Management, Unix, SoapUI, Rally, Dbeaver, NumPy, Matplotlib, Scikit-learn, Pandas

PROJECTS

COVID-19 Mortality Prediction, | R, Shiny, Machine Learning, HTML/CSS

January 2024 - April 2024

- Developed a functional web dashboard using R's Shiny package, allowing real time data visualization and user interaction to track Covid 19 mortality rates
- Implemented a linear regression algorithm in R to accurately predict COVID-19 mortality rates, enhancing model's reliability and performance through rigorous analysis
- Utilized animation features in R to dynamically illustrate fluctuations in COVID- 19 death rates over time, providing a clear and engaging way to comprehend complex data trends

Unit Convertor, | Python, Flask, JavaScript, HTML/CSS

May 2024 - June 2024

- Created a dynamic web-based unit converter using Flask, enabling seamless conversions between various units with real-time results and precise arithmetic operations using the Decimal module
- Implemented robust error handling and validation mechanisms, which reduced application errors by 30%

Credit Card Fraud Detection, | Python, Google Colab, ML

April 2020 - September 2020

- Developed a robust credit card fraud detection model using the K-Nearest Neighbors (KNN) algorithm in Python on Google Colab, achieving an accuracy of 92%, sensitivity of 89%, precision of 87%, and recall of 85%, demonstrating an effective fraud detection capability
- Published findings in the International Journal of Advanced Scientific Research and Engineering Trends, demonstrating model is 92% accuracy and contributing insights to advanced fraud detection methodologies

WORK EXPERIENCE

Amdocs Development Centre India LLP

Pune, India

Software Test Engineer

December 2020 - October 2022

- Created test cases for manual scenarios in each new release, streamlined testing process and reduced team efforts by 50%, improving productivity
- Monitored the Software Defect Life Cycle process and verified over 30% of critical defects in pre-production and lower environments, ensuring stable and reliable software releases
- Executed comprehensive testing across multiple types, including User Acceptance, Regression, and Interface testing, identifying 45% of critical bugs and enhancing software quality
- Partnered with automation team to maintain and optimize automated scripts using Ginger tool from Amdocs, increasing efficiency of manual testing team by 50% and accelerating testing cycle
- Managed Customer Relations Management issues with a resolution rate exceeding 75% for production and lower environment issues, boosting client satisfaction and trust

AWARDS AND RECOGNITIONS

- Rookie Rock Star Award: Awarded at Amdocs, India, in March 2022 for exceptional early career performance
- Star of the Month: Recognized at Amdocs, India, in July 2021 for outstanding dedication and commendable work
- Client Praise: Commended by Comcast client for tremendous dedication and high-quality work

CERTIFICATIONS

- AWS Academy Graduate - AWS Academy Machine Learning Foundations
- AWS Academy Graduate - AWS Academy Cloud Foundations

