Harshitha Girish

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Summary
- Initiative-taking and detail-oriented professional with a master's in computer science specializing in Data Science and Software Engineering.
- Eager to apply solid technical knowledge, and enthusiasm for solving problems, as demonstrated in my projects below.

Education
- **Master of Science in Computer Science** — Expected May 2024
  Washington State University, Pullman, WA — GPA: 3.64/4.0
  Related courses: Advanced Algorithms, Software Design and Architecture, Software Maintenance , Data Science, Neural Network

- **Bachelor of Engineering in Information Science** — Aug 2021
  BNM Institute of Technology, Bengaluru, India — GPA: 8.4/10
  Related Courses: Data Structures, Machine Learning, Software Engineering, User Interface Design, Database Management

Technical skills
Programming Language: Python, R, SQL, Java, HTML, CSS, JavaScript, C/C++
Databases: MySQL, SQL Server, MongoDB
Tools/Frameworks: Git/GitHub, VS Code, IntelliJ, React, Node.js, Angular, Tableau, R-Studio

Projects

Heath Education Data Analysis — Aug 2023 - Dec2023
- Extracted insights through detailed feedback analysis, optimizing workshop programs and created a dashboard.
- Developed attendance prediction model for WSU Health Education workshops using machine learning with accuracy of 96%.
  Skills: R, Data Science, Tableau, Excel, Data Analysis, Machine Learning, Predictive Analysis

Open-Source Contribution - Lucene — Aug 2023 - Dec2023
- Led contributions to the Lucene open-source project, addressing bug fixes and implementing new features.
- Improved software maintenance through strategic enhancements, improving changeability, testability, and overall stability.
  Skills: Java, GitHub, Software Maintenance

Graph based Semi-Supervised Learning — Jan 2023 - May2023
- Analysed protein sequences using network science principles,
- Applyied label propagation and clustering algorithms for pattern recognition and identification of protein families.
  Skills: R, Machine Learning, Clustering, Label Propagation

Performance Analysis of a Cricketer using Data Visualization — Sept 2020 - Aug 2021
- Developed an application to analyze and predict a player's performance.
- Used machine learning algorithms such as regression, decision tree, random forest, etc., to analyze the efficiency of the prediction up to an accuracy of 70%. Used data visualization tools to represent the insights.
  Skills: Data Analytics, Machine Learning, AngularJS, Python

Art Gallery Management System — Aug 2019 – Jan 2020
- Developed a user-friendly website that catalogues artists, their works, information on exhibitions, and shows clients images of artworks.
- Designed and implemented the database structure for efficient data organization.
  Skills: Database Management, MySQL , HTML, CSS, PHP

Work experience

Graduate Assistant - Health Education, Washington State University — Jan 2023 - Present
- Conducting data analysis and providing insights for departmental documentation and dashboard.
- Facilitating workshops such as life skills, mental health, and violence prevention and supported the coordination of health education program outreach.
  Skills: SQL, Excel, Tableau, Public Speaking, Communication, Team Building

Application Development Associate - Accenture, Bengaluru — Aug 2021 - Jul 2022
- Designed reusable and reliable code using C# .NET, and DevOps. Updated database designs to improve functionality for user satisfaction and conducted software field testing to verify the performance of developed code blocks.
- Recognized for being able to complete the user stories on time within the sprint cycle within an agile development project.
- Collaborated with onshore Business Architects regarding project capabilities and limitations to deliver optimal functionality.
  Skills: C#, .NET, Azure, DevOps, Angular, NodeJS

Software Engineer Intern - Softvent Services Pvt. Ltd, Bengaluru — Jul 2020 -Sept2020
- Partnered with team members to learn the best software design practices, which helped understand the Software Development Cycles.
- Increased the efficiency of an RFID Scanner by 75% using Arduino Software (IDE) and expanded functionality by storing data in an SQL Database
  Skills: SQL, Arduino IDE, Excel