

# Rohan Marshall

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## SUMMARY

Recent graduate with a Bachelor's degree in Computer Science, specializing in data analytics and machine learning. Demonstrated application of programming skills through various academic projects, including development of predictive models and data visualization tools. Proficient in Java and Python, leveraging analytical techniques for impactful decision making. Eager to tackle challenges in a dynamic tech environment by utilizing strong logical reasoning and collaboration. Experienced in working on real-world scenarios which provided valuable insights into data processing and analysis, underscoring adaptability and continuous learning in technology-focused roles.

## EDUCATION

### Bachelor of Science in Computer Science

2026

James Madison University GPA: 3.8

Harrisonburg, VA

*Coursework: Machine Learning, Data Analysis, Software Development, Statistical Methods*

## TECHNICAL SKILLS

- Programming Languages:** Java, Python, JavaScript, C++
- Development Frameworks:** Spring Boot, Docker, Jenkins, Kubernetes
- Data Analysis Tools:** R, SPSS, TensorFlow, Scikit-learn
- APIs:** REST, GraphQL
- Version Control:** Git, GitHub
- Visual Tools:** Tableau, Power BI
- Machine Learning Techniques:** Supervised Learning, Unsupervised Learning, Deep Learning
- Statistical Methods:** Regression Analysis, Hypothesis Testing, ANOVA
- Collaboration Tools:** Slack, Zoom, Microsoft Teams
- Cloud Services:** AWS, Google Cloud Platform, Azure

## SKILLS

- Java
- Machine Learning
- Statistical Methods
- REST APIs
- Python
- Data Analysis
- Git
- Data Visualization

## EXPERIENCE

### Data Analyst

August 2025 - May 2026

University Project

Harrisonburg, VA

Focused on developing a data visualization tool that enhances academic advising decisions through detailed insights engineered from performance data. This role involved using programming languages effectively in confronting real insight challenges, highlighting teamwork, and project management competencies.

- Developed a data visualization tool using Python and JavaScript, enhancing analysis for academic advisors.
- Applied statistical methods to reveal trends in student performance, guiding curriculum enhancements.
- Collaborated with a team to implement machine learning solutions that predicted student success rates.
- Conducted user tests to collect feedback, improving the usability of the analytical tool significantly.
- Presented outcomes to faculty, approving the practicality and application of findings methodically.
- Utilized GitHub for efficient version control which enhanced collaborative project execution.

### Machine Learning Developer

January 2026 - May 2026

Capstone Project

Harrisonburg, VA

Output was a predictive model to analyze stock market trends using various machine learning libraries and testing methodologies, demonstrating strategic overview within a technical scope. Regular consultation with industry professionals offered a contextual understanding of marketplace dynamics.

- Spearheaded development of a predictive model for stock market trends using advanced machine learning algorithms.
- Employed TensorFlow and scikit-learn to achieve significant prediction accuracy improvement for financial instruments.
- Analyzed sizable datasets to derive market trend indicators, presenting analysis outcomes to experts.

- Integrated REST APIs with testing frameworks ensuring reliable sourcing of real-time data for effective validation.
- Managed timelines throughout project life cycles ensuring all deliverables exceeded expectations.
- Documented processes thoroughly contributing to a report exemplifying best practices and smarter methodologies.

**Research Assistant**

September 2024 - May 2025

Academic Research

*Harrisonburg, VA*

Supported a research initiative exploring technology's impact in educational settings while collaborating closely within academic circles to refine investigative approaches and reporting methodologies.

- Assisted in conducting influential research oriented towards correlating technology use to educational achievement.
- Utilized tools like R and SPSS for statistical data analysis enriching findings delivered to stakeholders.
- Contributed significant portions to published findings expanding visibility and engagement in academic initiatives.
- Organized weekly sessions with academic mentors discussing progress and optimizing methodological trajectories.
- Created presentations for diverse audiences detailing innovative research findings in relatable formats.
- Implemented automated systems improving survey collection promoting data integrity during research phases.

**LEADERSHIP & AWARDS**

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- Dean's List, James Madison University (2024 - 2026)
- First Place, University Hackathon (2025)

**CERTIFICATIONS**

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- Data Science Professional Certificate 📅 2026
- AWS Certified Cloud Practitioner 📅 2026

**PROFESSIONAL AFFILIATIONS**

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- Member, Computer Science Club (2024 - 2026)
- Volunteer, Local Coding Bootcamp for High School Students (2025)

**LANGUAGES**

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- English (Native)
- Spanish (Intermediate)

**ADDITIONAL INFORMATION**

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**Work Status** : Authorized to work in United States. No sponsorship required.

**REFERENCES**

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AVAILABLE ON REQUEST