

# Biswesh Dhungana

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## EDUCATION

### George Mason University

Fairfax, VA

*Bachelor of Science, Computer Science, GPA: 3.88*

*Expected Dec 2025*

- **Relevant Courses:** Object-Oriented Programming, Data Structures, Database Management, Info Tech Computing, Unix Operating System, Ethics & Accountability, Graphical User Interfaces

### Certification

*AWS Certified Developer – Associate*

*July 2023*

## TECHNICAL SKILLS AND AWARDS

**Languages:** Java, Python, PHP, JavaScript, HTML, R, CSS, C, SQL, Wordpress

**Tools & Frameworks:** Git, React.js, Express.js, Angular, Google Firebase, Docker, Kubernetes, JIRA, Node.js

**Cloud Services:** AWS, Azure, Google Cloud Platform, HubSpot

**Awards:** Lockheed Martin STEM Scholar, Northrop Grumman Foundation STEM Scholarship, Dean's List (3 times)

## EXPERIENCE

### Virginia Ready

Fairfax, VA

*Web Developer Intern*

*Aug 2023 - Nov 2023*

- Develop an AI chatbot integrated with HubSpot to autonomously answer user queries, resulting in a 30% reduction in support tickets and a 20% increase in user engagement on the VA Ready website.
- Maintain and update content across multiple platforms including the VA Ready website, Scholar Portal, and Help Center, while also reviewing Certification Forms and Scholar Applications.

### Fibertek, Inc.

Herndon, VA

*Software Quality Assurance Intern*

*May 2023 - Aug 2023*

- Implemented advanced file operations and automated Lab Monitoring Files upload and tracking using Python's pandas library and OS module, reducing manual labor by 95%.
- Transferred and tracked over 1600 pieces of equipment to the GreyTrunk database management system, improving system reliability.

### George Mason University

Fairfax, VA

*Math Teaching Assistant*

*Aug 2023 - Dec 2023*

- Conduct weekly office hours and assist the Professor in Calculus I lectures, enhancing student comprehension by 20% and improving academic performance by 15% for over 30 students.

*Undergraduate Teaching Assistant*

*Jan 2023 - May 2023*

- Facilitated student understanding in a CS110: Essentials of Computer Science class of 200 students, resolved student inquiries, actively answered questions on Piazza, improving course engagement by 25% and leading to a 10% increase in overall student grades.

## LEADERSHIP & ACTIVITIES

### Azure Space Hackathon (Microsoft & NASA)

Arlington, USA

*Participant and Award Recipient*

*May 2023 - June 2023*

- Participated in a 7-week hackathon, utilized Microsoft's planetary computer and TensorFlow to develop a machine learning model capable of detecting and differentiating over 500 offshore windmills from other stationary objects in the ocean, and won a \$2000 award.

### Tutor Doctor

Fairfax, VA

*K-12 Tutor*

*Mar 2022 - Aug 2022*

- Delivered personalized tutoring services to 20+ K-12 students, managed records, schedules, and parent communications, leading to a 15% improvement in student grades.

## PROJECTS

**Global Renewables Watch:** Implemented algorithms for detecting wind turbines using SAR data and ML models.

**Inventory Management System:** Designed and built an inventory management web application using SQL, allowing employees to track product information, inventory levels, suppliers, and sales.