

Dhanyasri Bolla

Washington, D.C, United States,
dhanyasribolla@gmail.com | +1 2029049192 | [LinkedIn](#)

RELEVANT WORK EXPERIENCE

FEWS LABS | THE GEORGE WASHINGTON UNIVERSITY

Washington D.C

GRADUATE RESEARCH ASSISTANT

May 2024 - Present

- Developed a quantitative framework to analyze climate adaptation strategies across 48 megacities, identifying trends in infrastructure resilience, financial support, and stakeholder participation.
- Applied statistical techniques (chi-square, Cramer's V, regression) using Python & Excel to assess relationships between climate risks and adaptation strategies, improving global resilience planning insights.
- Coded and categorized 430+ adaptation co-benefits from the Global Adaptation Mapping Initiative (GAMI) database, identifying key patterns in health improvements, economic savings, and biodiversity protection.
- Created & used an LLM-based approach to analyze the climate action plans to understand the gaps and adaptation trends in the cities.

Business Web Solutions

India

Web Development Intern

June 2022 - August 2022

- Designed and implemented UI/UX improvements for a tourism website, enhancing user experience and engagement by 25% through responsive design and improved navigation.
- Assisted in database integration and API development, optimizing server response times by 30% and ensuring seamless user interactions.
- Conducted cross-browser testing and debugging, improving website performance across multiple platforms.

Unschool

India

Marketing & Operations Intern

August 2021 - September 2021

- Led a team of 6 junior interns, managing digital marketing campaigns that resulted in a 45% increase in course enrollments through targeted outreach and engagement strategies.
- Analyzed performance metrics, identifying optimization opportunities that improved lead conversion by 20%.
- Streamlined operational workflows, reducing course delivery time by 30% by implementing more efficient student onboarding and engagement processes.

SKILLS

- Programming Languages:** Python | R | SQL | HTML | CSS | JS | Embedded C | Arcadia Capella | SysML
- Tools:** NumPy, Pandas, matplotlib, Seaborn, Spark, Tidy verse, Jupyter Notebooks, ETL (Extract, Transform, Load)
- Conference:** Authored a paper presented at the AGU Conference 2024 in Washington, D.C.
- Additional Skills:** Shiny apps, Quarto Markdown, Systems Thinking, Policy Modelling, Microsoft Office Excel, Word, and PowerPoint, Data Analysis, Research
- Soft Skills:** Analytical Thinking, Communication, Problem-solving, Attention to detail, Leadership, Strong interpersonal skills, Proactive and Self-motivated, Exceptional organizational skills.

PROFESSIONAL DEVELOPMENT AND LEADERSHIP

Google Developer Student Club

Washington, DC

Financial Officer

October 2024 - Present

- Managed the budgeting, allocation, and tracking of funds for large-scale on-campus events with over 150+ participants. Coordinated with multiple teams to ensure proper financial planning and vendor payments, maintaining transparency and cost efficiency.

The George Washington University Desis Organization

Washington, DC

Vice President

October 2024 - Present

- Lead planning, budgeting, managing member engagement and recruitment of executive board, ensuring smooth operations and initiatives to foster community among 250+ graduate Indian students.

EDUCATION

The George Washington University, School of Engineering & Applied Science

Washington, DC

Master of Science in Engineering Management

December 2025

Relevant coursework: Marketing Analytics, R Programming, Systems Engineering, Project Management, Corporate Finance, Systems Thinking, and Policy Modelling

Sardar Vallabhbhai National Institute of Technology

India

Bachelor of Technology in Electronics and Communications Engineering

May 2023