

Praseeda Sarvani Ravuri

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EDUCATION

Oregon State University, College of Engineering

Corvallis, OR

Bachelor of Science, Computer Science with AI, and minor in Business Administration

Sept 2021 - June 2026

Coursework: Data Structures, Computer Assembly, Web Development, Software Engineering, Statistics, Marketing, Economics.

Certification: AWS Cloud Practitioner

EXPERIENCE

IARCS: Research Mentorship Program

Remote

Research Intern

Dec 2022 - present

- Collaborated with professors and industry professionals on advanced research projects in cloud computing, natural language processing, artificial intelligence, and data science.
- Contributed to multi-disciplinary research papers and assisted in the development of machine learning models to address real-world challenges. Gained hands-on experience in technical research, project implementation, and data-driven problem solving under the guidance of experienced mentors.
- Published and presented findings within academic and professional settings, demonstrating strong analytical & communication skills. Enhanced collaborative and technical expertise by working closely with experts in the field on cutting-edge technological solutions.

OSU College of Business

Corvallis, OR

Undergraduate Developer

Jan 2024 - present

- For the business analytics club project, currently working as a developer with other peers on quantitative analysis of market real-time data collected from a private firm using Python, C++, algorithms, and statistics.
- Collaborating with student traders, quantitative researcher team, and machine learning club.

OSU College of Engineering

Corvallis, OR

Information Technology Support

Dec 2022 - Jan 2023

- Use Drupal to maintain, organize, and audit content on the student organizations section of the COE website. Assists in training others with using the website theme through Drupal and Java.
- Uses Excel and Monsido to document various aspects of website experiences to make changes to serve the audience better.

LEADERSHIP AND INVOLVEMENT

Engineering Student Council

Corvallis, OR

Vice President of Outreach

Dec 2021 - present

- Market and organize the collaborative planning and execution of high-profile initiatives including club fairs, engineering spirit weeks, and engineering awards ceremonies for 75+ clubs and 10,000+ Oregon State University engineering students.
- Collaborate with the Dean's leadership team to cultivate student success within the engineering community. Work with Engineering LLC groups to promote involvement to first-year students and develop new tools for the website and clubs.

Association For Computing Machinery - Women

Corvallis, OR

Public Relations and Student Affairs

Nov 2022 - present

- Bringing together over 150+ ACM-W members by establishing new opportunities such as internships, jobs, and conferences.
- Market, Communicating and connecting students with industry contacts. Leading and marketing resume, coding, and interview workshops with students. Mentoring and guiding women and minorities in tech.

Women in Big Data

Corvallis, OR

Treasurer

Feb 2023 - present

- Work with NW chapter to plan events focusing on mentorship for women in STEM, and big data specifically. Hosts Python & Machine Learning workshop. Runs Data Science Varsity, a data science competition with Oregon State and the University of Portland, along with that I also oversee budget and finances.

PROJECTS

IARCS: Cloud Resource Management with Machine Learning| Python

Nov 2023 - present

- Collaborated with a team to develop a machine learning-based IDS for cloud environments to enhance security and implemented predictive resource allocation models to improve utilization efficiency. Achieved cost savings through intelligent auto-scaling and real-time demand forecasting.

SKILLS AND INTERESTS

Technical Languages/Tools: Java, C++, C, Python, JavaScript, SQL, HTML/CSS, Cloud APIs, Git, R, Excel, Pymtl, Drupal, Jira, React, Agile.

Interests: Product Management, Software Engineering, Data Science, Machine Learning, Business, Finance, Marketing, Traveling, Cultural Activities, Dance, and Volunteering.