

# Shouvik Ahmed Antu

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

## Education

Willamette University, Salem, OR

Bachelor of Science in Computer Science and Data Science, expected graduation in May 2026.

Minors in Mathematics and Business Studies

## Experience

### Willamette University | Web Developer Intern | Salem, OR | May 2023 - Present

- Debugged and fixed a recurring PHP database lagging issue, improving data retrieval efficiency and reducing load times.
- Transformed the new student orientation grouping process with a Python-based automation, cutting down the time from days to a mere 15 minutes.
- Implemented PHP code refactoring, which resulted in a 15% increase in application performance.

### Willamette University | Web Production Assistant | Salem, OR | Oct 2022 - May 2023

- Updated and built new web pages, conducting thorough quality assessments including cross-browser compatibility checks and mobile responsiveness testing.
- Performed routine maintenance on a 15,000-page website using Cascade CMS, focusing on updating content, fixing broken links, and optimizing page load speeds.
- Implemented SEO strategies such as keyword optimization, meta-tag enhancements, and backlink analysis to improve website visibility and search rankings.

### Willamette University | Resident Advisor | Salem, OR | Aug 2023 - Present

- Organized need-based initiatives focused on fostering community bonds and academic development, leading to improved resident satisfaction and engagement.
- Managed dormitory life, promoting a positive and inclusive atmosphere, and skillfully resolving conflicts to maintain a peaceful living space for all residents.
- Designed and executed diverse social and educational events, such as skill-building workshops and cultural celebrations, increasing student involvement and cultural awareness.

## Skills

- Frameworks/Libraries: Bootstrap, NextJS, React Native, ReactJS, TailwindCSS
- Programming Languages: Bash, JavaScript, PHP, PostgreSQL, Python
- Databases: Firestore (Firebase), SQL (Relational Databases)
- Tools/Platforms: Adobe Suite, Cascade CMS, Firebase, Git & GitHub, Jira, Wrike

## Projects

### W-IMS | [Link](#)

- Created W-IMS for Willamette University's Intramural Program, with a hierarchical design to distinctly cater to staff and student needs.
- Built with JavaScript, NextJS, Tailwind CSS, and Firebase for performance and user-friendly interface.

### Website Clone - Tesla | [Link](#)

- Developed a high-fidelity clone of the Tesla website, focusing on replicating its design
- Employed JavaScript for functional scripting and ReactJS for efficient component-based structure, alongside Tailwind CSS for replicating Tesla's sleek and responsive design.

### Ongoing Projects | [Link](#)

- Cross Platform Mobile App: Rebuilding and redesigning an Citizen Science platform to track turtles in Oregon ([oregonturtles.org](http://oregonturtles.org)) using React Native.
- Mushroom detection and classification: Clustering over 90,000 images of mushrooms.
- Willamette University website analysis: Scraping willamette's website and analyzing the page rank to find the weakest links to pages.

## Publications & Awards

- Paper: Using LLM to Improve Efficiency in Literature Review for Undergraduate Research | 2023 | [Link](#)
- Youth Exchange and Study (YES) Scholar - Full scholarship to study an academic year in the US | 2021-2022
- Student of the Year - Bangladesh Intl' School & College | 2019