

# Sowmya Ambati



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1424 Bristol Terrace, Lawrence, KS

## EDUCATION

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| ● <b>Masters in Computer and Information science</b><br>University of Kansas, Lawrence, KS, United States. | <b>August 2024 – December 2025</b><br>(Expected) |
| ● <b>Bachelor's in Computer Science and Engineering</b><br>SASTRA University   Thanjavur, India            | <b>July 2017 - May 2021</b><br>CGPA: 7.98/10     |

## TECHNICAL SKILLS

- Object-Oriented Programming, Data Structures & Algorithms
- **Programming Languages:** C, C++, Java, Python, HTML, CSS, JavaScript, React
- Visual Studio code, Git, Gerrit, Jira, Linux, MYSQL

## PROFESSIONAL EXPERIENCE

### Software Engineer I | HP Inc, Bangalore, India

**August 2022 – July 2024**

*Technologies: C++, HTML, CSS, Javascript, React*

- Worked on a project for Dune which involved developing firmware for home-based color printers.
- Played a key role in developing a crucial pipeline element for print and copy, which optimized data compression by selecting the suitable raster format, setting up job intents, and integrating seamlessly with other pipeline components through precise reporting. This enhancement significantly boosted operational efficiency and streamlined workflow processes.
- Developed a new feature (restore mechanism) that effectively retrieves and reinstates backed-up configurations, enabling seamless restoration of printer settings following resets or updates.
- Worked for multiple features for printers like Calibration, Right to Print, detailed printer reports, which collectively enhanced reliability and user satisfaction.
- Fixed critical issues in another pipeline element which focusses on managing the job functionality like pause/resume, priority, ordering, promotion etc.,
- Led quality assurance efforts for several deliverables, driving substantial improvements in printer performance.
- Experience in multithreaded, embedded software development, data structure, optimization, complexity analysis, debugging, unit integration tests and completing project.
- Developed and maintained HP's internal website using JavaScript and React.
- Individual contributor working on tasks including fixing bugs, debugging issues.

### Associate Software Engineer | Legato Health Technologies, Bangalore, India

**September 2021 – January 2022**

- Trained on Java, Mainframe and Selenium for automated testing

### Intern | Collins Aerospace, Hyderabad, India

**February 2021 – July 2021**

- Developed a data segregation tool using Python resulting in significant time and cost savings. It's successful implementation has demonstrated tangible benefits, optimizing workflows and contributing to substantial resource savings.