

## Cover Letter

As a dedicated **Computer engineering** student at **Arizona State University** with a comprehensive background at **SAP Labs** and significant research experience, I am excited about the opportunity to contribute my skills and expertise to your team.

During my previous time at **SAP Labs**, as an **Associate Software Developer** and a proud alumni, I honed my skills in developing automated anomaly detection systems using machine learning concepts such as Logistic Regression, Naive Bayes, and SVM. I also gained experience in enhancing data collection procedures through visualization tools like Seaborn and Matplotlib, utilizing libraries like **Pandas** and **Numpy** for data manipulation. My involvement in web application development with **AngularJS**, **Java (Springboot)** for backend systems, and **HANA** database enabled me to understand the importance of seamless user interactions across multiple platforms. One of my key accomplishments was the integration of scripts using **Groovy** and **Java** to aggregate **XML** test results, establishing a continuous integration service that automated the execution of sanity test cases. This effort not only streamlined the testing process but also generated comprehensive reports using **Katalon Studio**.

As a woman, developing the skills needed to pursue my passion for computers was not a bed of roses. I had to constantly break down obstacles to take up a career in the technological sphere. Out of the 20 software developers in my team, "Supplier Risk" at SAP, being the only female member, made me understand that there is still a vast unbalanced gender ratio in the industry. As a fellow woman, I have been continuously involved in societies that foster a network and community among collegiate engineers and promote more female representation in the tech industry. I am also an active member of the Women Inclusivity Network, a community initiative formed by women students and alumni of ASU to close the diversity gap in tech and I am proud and happy to be a scholar of **Grace Hopper Celebration'23**, conducted by **AnitaB.org**, the world's largest gathering of women and non-binary technologists and attended in person by September'23.

It's been a fantastic journey since the day I started to hone my programming skills, and I hope to extend my expertise in the upcoming years. My passion, knowledge, and capabilities will grow exponentially and will take me closer to my goal of professional prowess. I would sincerely appreciate the opportunity to speak with you about how I could add value to your team. I am fully aware that my decision calls for relentless dedication and perseverance, for which I am adequately prepared both in terms of technical aptitude and mental drive. Please feel free to contact me at **agilas@asu.edu**.