

AbrarFahim

Email: *abrarfahim.afi@gmail.com*

MobileNo: *+1(347)4583411*

Website: *<https://abrarfahim-afi.github.io/>*

LinkedIn: *[linkedin.com/in/abrar-fahim-1610522043](https://www.linkedin.com/in/abrar-fahim-1610522043)*

Address: *Brooklyn, NY 11216*

Dear Concern,

Greetings. I am Abrar Fahim, writing to express my interest in the position of [Job Title] at [Company Name], as advertised on [Source/Platform]. As a recent master's graduate in Electrical Engineering focusing on VLSI (Very Large Scale Integration) and Embedded systems design, I am excited to apply my technical expertise to contribute to the innovative projects at your esteemed company.

Throughout my academic journey, I have gained comprehensive knowledge and hands-on experience in designing and developing different digital and analog systems. My master's program provided a strong foundation in advanced topics such as digital system design, CMOS circuit design, and verification techniques. I have also acquired practical skills in industry-standard EDA (Electronic Design Automation) tools such as Cadence and Synopsys. Other than that, I also have a good background in Analog Electronics, Digital Signal Processing, Data Communication, and Networking.

During my final semester, I worked on multiple projects such as a system that utilizes various sensors to detect Sudden Infant Death Syndrome (SIDS), a Memory Built-in Self-Test (MBIST) for testing 256x4 Bit SRAM and also was fortunate enough to successfully design a Folded Cascode Amplifier Circuit from scratch in Cadence Virtuoso. I believe all of these projects allowed me to demonstrate my ability to tackle complex design challenges, optimize circuit performance, and conduct thorough simulations for verification. I collaborated with a multidisciplinary team, enhancing my communication and teamwork skills while adhering to strict deadlines.

In addition to my new academic achievements, I was fortunate enough to serve my undergraduate alma mater as a Lab officer. Where I had the chance to develop lab classes and experiments and be mentored by the professors who taught me during my undergraduate studies, this exposed me to the noble world of teaching and research.

During my undergraduate years, I was also involved with the Institute of Electrical and Electronics Engineers (IEEE) as a Treasure of the Power and Energy Society Chapter. Throughout my tenure, I was fortunate enough to be part of the organizing committees for many events and workshops. I believe this work as a treasure has taught me not only to work as a team player but also as a multi-tasker, shifting between work and study.

I believe the experiences that I have attained throughout my studies and career in academia have created a strong analytical mindset, attention to detail, and problem-solving abilities, enabling me to tackle complex design challenges and deliver high-quality solutions in a specific time frame. I am a quick learner, eager to stay updated with the latest technological advancements and apply them to my work. Furthermore, I possess excellent time

management skills, allowing me to work efficiently under pressure without compromising quality.

I am particularly drawn to [Company Name] due to its reputation for cutting-edge innovation and sustainable development and providing the opportunity to collaborate and be mentored by industry-leading professionals via various career development programs. I believe [Company Name] 's commitment to pushing the boundaries of technology for better tomorrow aligns perfectly with my career aspirations.

I am confident that my skills, educational background, and passion for VLSI and embedded system design make me an ideal candidate for this position. I would gladly welcome the opportunity to discuss how my qualifications align with your requirements in more detail.

Sincerely,

Abrar Fahim