**OBJECTIVE**

To obtainan internship position utilizing my background in FPGA, power electronics, and circuit layout.

**EDUCATION**

**Master of Science in Electrical Engineering**  May 2021

Wright State University, Dayton, Ohio GPA 3.55/4.0

**Bachelor of Technology in Electrical Engineering** April 2017

University of Pune, India GPA: 3.7/4.0

**RELEVANT COURSES**

Industrial Controls/Automation Applied Linear Techniques C Programming

Modern Control Continuous Control Systems Digital Image Processing

**COMPUTER SKILLS**

*Programming Languages:* C, C++, VDHL

*Design Software:* MATLAB, AutoCAD, Simulink, Saber, Spectre

*Operating Systems:* Windows, Linux/Unix, MS-DOS

**CERTIFICATIONS**

Programmable Logic Controllers, University of Pune Feb 2017

**RELEVANT PROJECTS**

***Thesis: Engage and Retreat Differential Game with Mobile Agents*** Jan 2019 - Present

* Develop defensive strategies using differential game theory and optimal control
* Implement developed strategies using MATLAB

***Robotics: Algorithm Implementation*** Spring 2019

* Developed code in MATLAB for Robotics Real Life learning algorithms like Genetic Algorithm, SPSA
* Developed neural networks

***Robust Technique for Image Descreening Based on Wavelet Transform*** Fall 2018

* Developed method utilizing wavelets such as Haar and Deauchies to convert halftone to contone images
* Applied Wavelet deconstruction and filters; reconstructed image using wavelets implemented in MATLAB

**RELEVANT EXPERIENCE**

***Associate System Engineer****,* IBM India Private Limited May 2017 – Aug 2018

* Worked with Siebel CRM architecture design, including installation and troubleshooting of Siebel servers
* Supported tasks such as database extraction for developers and applying changes to tables in tools, import/export of SIF objects, workflows across environments and maintaining version control
* Involved in application administration tasks such as system preferences, assigning views to responsibilities and integration administration tasks like EAI value maps, symbolic URL and personalization administration

**OTHER WORK EXPERIENCE**

***Grader*,** Electrical Engineering Department, Wright State University Sept 2019 - Present

* Grade homework and exams of 25 students for 10 hours per week

***Electrical Lab Assistant,***Electrical Engineering Department, University of Prune Spring 2016

* Taught 15 weeks of experiments to over 50 students and assisted students in completing lab

**HONORS**

*Second Prize,* Technical Quiz, National Level Fest, India Nov 2016

*Second Prize,* Poster Presentation: “Robotics: Latest Developments,” National Level Fest Nov 2016

*Merit Scholarship*, Wright State University 2018-2019

**ACTIVITIES**

*Secretary,* International Cultural Exchange, WSU Fall 2019 - Present

*Cultural and Events Coordinator,* Indian Student Association, WSU Fall 2018

*Organizer,* Hackathon: India’s Digital Footprint, India 2016

**LANGUAGES**

Fluent in Hindi, Telugu, and English