Ajinkya Nawarkar

anawarkar.com [ajinkyanawarkar35@gmail.com](mailto:ajinkyanawarkar35@gmail.com) Starkville, MS 39759

**EDUCATION** **Bachelor of Science (Honors): Computer Science, December 2019**

**Mississippi State University** – Starkville, MS

CGPA: 3.96

Minor: Mathematics, Business Management

# 

# TECHNICAL Programming Languages: C/C++, Java, Python, SQL DB, Verilog, HTML

# SKILLS Software: Eclipse, Perforce, GitHub, JIRA, MS Studios, Arduino, G-Prof, Postman, MULTI

# 

# EXPERIENCE Machine Learning SWE Intern, ADTRAN [Summer 2018]

* Proposed and instituted different techniques of Supervised / Unsupervised Machine Learning to apply anomaly detection in access networks
* Introduced guided benchmarks for understanding the performance of different entity models

# Software Engineering Intern (Fiber Access), ADTRAN [Spring 2018]

* Delivered a new CLI interface for the EPON OLT network architecture in C++ using YANG over NETCONF
* Architected new network interface for ONT provisioning port over REST to ease configuration protocol
* Aided in the layout of new software packages, implemented unit testing and code refactoring while engaging in agile workflow and scrum standups to extend CI/CD

# Google CodeU Developer, Google [Spring/Summer 2017]

* Designed and developed a messaging app in C++ along with regular code reviews under the mentorship of Google Engineers
* Improved the client GUI of the app, added persistent message data storage, implemented a chat bot and statistics analyzing system

**Undergraduate Researcher, College of Aerospace Engineering** **[Fall 2017]**

* Profiled open source project MAST and developed python / bash scripts for package installer

**Undergraduate Researcher, Computer Science Engineering Department** **[Spring 2016]**

* Engineered an Arduino Uno board to navigate a hexapod robot through a maze autonomously
* Presented research abstract “Object Detection and Avoidance Using Hexapod Robot” at University Symposium

**Freshman Year Navigator, Center of Student Success** **[Fall 2016 to Spring 2018]**

* Mentored 150 Freshman year students, served as a resource to help them succeed during their first year at state academically or otherwise (Basically, I was a campus parent)

**PROJECTS ADTRAN 18 - Hackathon [Summer 2018]**

* Constructed a java Android app backed with Reinforcement Machine Learning to prioritize phone notifications

**Crimson Hacks - Hackathon [Spring 2018]**

* Built a smart speech-enabled assistant "Financial Voice" for blind people for managing finance budget
* Integrated Machine Learning algorithm in the backend with python to make stock trade recommendations

**Hack State - Hackathon, (1st place) [Fall 2017]**

* Unified the MYO Armband and MYOduino API to wirelessly manipulate the mini scaled construction crane in Arduino with C++ by using hand gestures
* Placed 1st at Mississippi State University’s first hackathon powered by MLH.

**Snake Game:** Competed to build a console based popular snake game in C++ within 45 MINS **[Fall 2017]**

**Red-Box Movie Software Features**  **[Fall 2016]**

Created a Red Box movie station UI in C++ and integrated BST system with IMDb database in backend

**Cheat card Game:** Created the Cheat Card game in python for 2 or more users **[Fall 2015]**

**HONORS** Recipient of Prestigious Academic Excellence Scholarship

Shackouls Honors College Student, Mississippi State University

President’s list through all semesters up till now