Ajinkya Nawarkar

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EDUCATION

Bachelor of Science (Honors): Computer Science, December 2019
Mississippi State University – Starkville, MS
CGPA: 3.96
Minor: Mathematics, Business Management

TECHNICAL SKILLS

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

General Business