Akhil Nadigatla

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EDUCATION

Carnegie Mellon University – Pittsburgh, PA
B.S. in Computer Science (major) | Machine Learning, Philosophy (minors)   *(expected graduation May 2022, 3.42 QPA)*
Premier Academy – Nairobi, Kenya   *(graduated August 2018, valedictorian)*

EXPERIENCE

CMU CS Academy | Web Development and Support Lead   *(May 2019 – December 2019)*
- Driving content creation, testing, and development of free platform for teaching computer science principles.
- Contribute towards product development with JavaScript, React, Python, and HTML/CSS, achieving a fivefold increase in active users.
- Manage support and outreach team in project, organizing professional development programs for teachers.

World Agroforestry Center | Research Intern   *(August 2016)*
- Researched in genomics laboratory analyzing data on sub-Saharan sorghum samples to identify causes of disease.

PROJECTS

ConvoCoach | Python   *(March 2019 – July 2019)*
- Developed application, along with four colleagues, to assist autistic people with daily conversations.
- Utilizes multiple cloud NLP, speech recognition, and speech synthesis tools for a simple, interactive product.

PyStocks | Python   *(October 2018 – December 2018)*
- Constructed a trading application and simulator intended as an introduction to financial markets.
- Scrapes websites to manipulate live stock/forex data, making intelligent predictions using computational models.

Data Science Research – Harvard University | Python   *(July 2017)*
- Analyzed large datasets to quantify impact of agricultural sector on socioeconomic indicators in USA and Kenya.
- One of five projects selected by faculty for exceptional results and presentation.

COURSEWORK

Concepts of Artificial Intelligence	*(spring 2019)*	Theoretical Computer Science	*(fall 2019)*
Principles of Imperative Computation	*(spring 2019)*	Introduction to Computer Systems	*(spring 2020)*
Principles of Functional Programming	*(spring 2019)*	Data Structures and Algorithms	*(spring 2020)*

SKILLS

Programming: Python • C/C++ • ML • JavaScript • HTML/CSS • Java • Scala • x86
Technologies and Frameworks: React Native • Linux • Git

ACTIVITIES/LEADERSHIP

The Atlas Project | Software Team (autonomous buggy)   *(September 2019 – present)*
Undergraduate Business Technology Group   *(January 2019 – May 2019)*
South Asian Student Association | Freshman Representative   *(September 2019 – May 2019)*
Premier Academy | Head Prefect   *(March 2017 – February 2018)*
East African Model United Nations | Executive Committee   *(January 2012 – February 2018)*
- Managed conferences across five countries, increasing attendance by twenty percent. Co-founded three charities.

HONORS/AWARDS

Putnam Math Competition | Top 500   *(February 2020)*
TartanHacks | Best Social Welfare Hack   *(February 2019)*
Edexcel High Achievers Award | Top in Africa   *(January 2019)*
Cambridge Outstanding Learner Award | Top in Kenya   *(March 2017)*
The President's Award | Gold Standard (from H.E. President of Kenya)   *(October 2016)*
Premier Academy Scholarship (approx. US$ 15,000)   *(September 2016)*