

Aditya Karan Kamireddy

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EDUCATION

B.A. Mathematics and Computer Science *Earlham College, Richmond, IN* Exp May 2020

- Major GPA 3.88
 - Recipient of the Howard Alexander Award for Mathematics
 - United World College Davis Foundation and Faculty Merit Scholar
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PROFESSIONAL EXPERIENCE

Student Researcher *Computer Science Department, Earlham College* May 2019 - Present

- Collaborated with a team with 4 students using several Machine Learning techniques to identify analogies in text using frameworks such as sklearn, PyTorch and Keras, and presented our findings at the Earlham Epic Expo
- Compiled a review of 54 papers related to the identification of analogies as a guideline as well as onboarding document for further research

Incubation and Scaling Intern *Telangana Hub, Hyderabad, India* June - Aug 2018

- Developed automated processes using Python to regularly collect and organize feedback from start-ups
- Created research collections for a number of start-up related projects and initiatives, and automated and streamlined the process of consolidating raw research data
- Edited whitepapers for various business units and designed the community webpage

Student Worker *Events Office at Earlham College* May – Aug 2017

- Staffed the main desk, serving as a contact point for attendees and coordinating logistics between several summer camps and events running simultaneously
 - Worked closely with a team to provide all kinds of basic assistance to event coordinators and attendees of all age groups
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PROJECTS

Parks Puzzle *Student Research, Earlham College* Oct 2019 - Present

- Developing a web-application for the logic based combinatorial game 'Parks Puzzle' to displays my proof that the puzzle is NP-complete

EssentialTrainingApp *Earlham College* February 2019 - Present

- Worked in a 4-person team to develop an app using Django for professors to conduct quizzes online for the Physics department
- Worked primarily on the Python backend which stores quizzes consisting of several question types using django.db and serves them with randomly generated values

Pursuit Curves *Differential Equations, Earlham College* November 2018

- Developed a python program to simulate and display arbitrary pursuit curves, used for teaching the practical applications of differential equations
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SKILLS

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| • Python : highly proficient | • C++ : proficient | • LaTeX: proficient |
| • C : highly proficient | • Java : proficient | • Linux : proficient |
| • Sage : highly proficient | • Haskell : proficient | • Mathematics |
| | • Bash : proficient | |

SPOKEN LANGUAGES

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| • Hindi : proficient | • Telugu : proficient | • Kannada : proficient |
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