Aditya Karan Kamireddy

(765)-993-5187 | github.com/AdiKaran | adikaran.me | akamir16@earlham.edu

EDUCATION

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

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

PROFESSIONAL EXPERIENCE

Student Researcher *Computer Science Department, Earlham College* May 2019 –May 2020

- Collaborated in a team of 4 students to identify analogies in text using Deep Learning techniques such as ConvNets and GANs, and 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 scripts with Python to periodically collect and organize feedback from start-ups
- Created research collections for a four start-up related projects, and three initiatives, and automated and streamlined the process of consolidating raw research data
- Edited whitepapers for two 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 up to five 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

PROJECTS

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

- Proved that the logic based combinatorial game ‘Parks Puzzle’ is NP-Complete, and developed a web-application for the game using React

EssentialTrainingApp *Earlham College* February 2019 - Present

- Worked in a four-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 MongoDB 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

SKILLS

Python | Javascript | C/C++ | Bash | Java | Haskell | HTML5 | CSS/SCSS | SQL | LaTeX | Sage | LISP

TECHNOLOGIES

NodeJS | ReactJS | Django | Flask | MongoDB | keras | PyTorch | scikit-learn | Git | Linux | MPI | OpenMP | Tableau | RestAPI | BootStrap | jQuery | Pandas | NumPy

SPOKEN LANGUAGES

- English : native speaker
- Hindi : proficient
- Telugu : proficient