

Akshay .

COMPUTER SCIENCE · SOFTWARE ENGINEER · ARTIFICIAL INTELLIGENCE

✉ xa[at]gatech.edu | 🏠 xadahiya.me | 📧 xadahiya | 📄 xadahiya | 🐦 @xadahiya

Education

Georgia Institute of Technology

MASTER OF SCIENCE IN COMPUTER SCIENCE (OMSCS) | GPA 4.0/4.0

Atlanta, USA

Jan 2019 - Exp. May. 2021

- Specialization in Machine Learning
- Our main research project "Jack Watson" got featured in **Forbes**, **TimesHigherEducation**, and multiple other places.

Deenbandhu Chhotu Ram University of Science and Technology

B.TECH IN ELECTRONICS AND COMMUNICATION ENGINEERING | GPA 7.05/10

Murthal, India

July 2014 - Apr. 2018

Skills

Algorithms, Data Structures; Python, Javascript, C++ (basic), Haskell(basic); Django, Flask, React, D3.js, PostgreSQL, Redis, JSON-LD, Semantic Web, Web sockets, Web scraping; Numpy, Pandas, Sklearn, OpenCV, Tensorflow, Pytorch, Fast.ai, Deep learning, Computer Vision, Reinforcement Learning, Machine Learning; Linux, Docker, AWS, Google cloud, Inkscape, User research, User interface design

Experience

Georgia Institute of Technology

SPECIAL RESEARCH PROBLEM STUDENT

Atlanta, USA

Jan. 2020 - Present

- Part of the **Jack Watson** Research team under **Dr. Thad Starner**.
- We research on combating plagiarism on homework for hire sites by developing AI agents that can monitor and catch students trying to plagiarise.
- Developing new techniques to detect students that collaborate or cheat in take-home exams.

Fidelity International

GRADUATE PROGRAMMER

Gurugram

June 2018 - Nov. 2018

- Delivered a functional prototype of a real-time feedback application using web sockets, Django, Redis, and D3.js.
- Worked in the behavioral finance team and helped in designing tools for portfolio managers using React.

Google Summer of Code

PARTICIPANT

Python Software Foundation

May 2017 - Aug. 2017

- Designed a web framework (**Hydrus**) using Flask, to create semantic web-based Restful APIs using a single specs file (Hydra Vocabulary).
- Built a simulation(**Hydra flock demo**) in which multiple servers and clients interact autonomously to patrol a forest region. It acts as the organization's primary demo to show the capabilities of semantic web.
- The project has 148 Stars and 116 Forks and (till date) on Github.

Typinggeek

FOUNDER

Delhi

Aug. 2015 - Dec. 2017

- Founded Typinggeek, a platform to help people learn to type more efficiently using automatically generated meaningful typing lessons.
- Established a user base of 5000 people across the globe.
- Handled everything from designing mock-ups to user research to development and deployment.

Publications

- Examiner: A Plagiarism Detection Tool for Take-Home Exams. In Proceedings of the Seventh ACM Conference on Learning @ Scale (L@S '20). Association for Computing Machinery, New York, NY, USA, 261–264. DOI:https://doi.org/10.1145/3386527.3406723

Volunteer Experience

2019-20 **Organization Admin and Mentor** | HydraEcosystem.org

Google Summer of Code

2017-20 **Project Reviewer and Classroom Mentor** | Full Stack, React and Deep Learning Nanodegree

Udacity

2018 **Organization Admin and Mentor** | Python HYDRA

Google Summer of Code

2018 **Tech Speaker** | PyCon India

Hydrabad, India

Relevant Coursework

Artificial Intelligence, Machine Learning, Computer Vision, Reinforcement Learning, Special Research Problem, AI Ethics and Society, Knowledge-Based Artificial Intelligence, Data and Visual Analytics, Information Security and Policies, Graduate Intro to Operating Systems; Fullstack Web Developer Nanodegree, React Developer Nanodegree, Frontend Web developer Nanodegree, Tech Entrepreneur Nanodegree