

Vidhur Kumar

vidhur2k.github.io | github.com/vidhur2k | linkedin.com/in/vidhurkumar
vkumar304@gatech.edu | 678-818-7668

EDUCATION

Georgia Institute of Technology | Atlanta, GA

B.S Computer Science; Threads: Intelligence and Theory

Graduating May 2020

GPA: 4.0

Purdue University | West Lafayette, IN

B.S Computer Science; Minors in Mathematics and Machine Intelligence

August 2017 - December 2018

GPA: 3.9

SKILLS and COURSEWORK

- **Tools:** Python, JavaScript, Java, C++, SQL, ReactJS, Node.js, MongoDB, Firebase, Keras, Tensorflow, PyTorch, Git, Docker,
- **Courses:** Advanced Algorithms, Machine Learning, Deep Learning, Probability Theory, Software Engineering

WORK EXPERIENCE

Georgia Institute of Technology

Machine Learning Theory Researcher

Atlanta, GA

January 2020 - Present

- **GANs and OCO:** Working with Prof. Jacob Abernathy on online optimization for zero-sum games and generative adversarial networks.

Salesforce Inc.

Software Engineering Intern

San Francisco, CA

May 2019 - Present

- **B2B Commerce App Report Service:** Developed a micro-library that would provide all Commerce cloud customers with personalized OOTB reports and analytics dashboards to help them gain a better understanding of their KPIs and also give them the ability to add additional reports. Utilized Java, SQL, and Salesforce's Lightning Web framework. Wrote end-to-end and functional tests in JUnit, Qunit, and Jest.

Data Science @ Georgia Tech

Director of Technology and Content Creator

Atlanta, GA

January 2019 - Present

- **Specialized workshops:** Taught cardinal topics such as Logistic Regression, Clustering, Data Cleaning and Visualization to over 100 members of the club. Utilized Anaconda, Jupyter Notebook, Numpy, Pandas, Seaborn, and Scikit-learn to teach concepts.
- **DSGT Tech:** Spearheaded development of the club portal with a new interactive member dashboard and a tech blog. Engaged in recruiting members for the club's new technology department.

The Home Depot

Software Engineering Intern

Atlanta, GA

May 2018 - August 2018

- **Pricing Visibility Tool:** Built a web application using ReactJS and Redux that provides Merchants a source of ground truth for retail information on each Stock Keeping Unit (SKU) and reduced the time spent searching SKU retails by 20%. Wrote functional and unit tests in Jest, containerized the application using Docker, and orchestrated deployment using Kubernetes.

Engineering Projects in Community Service (EPICS) Purdue

Design Lead

West Lafayette, IN

Aug 2017 - Dec 2017

- **Technology Assisted Dietary Assessment:** Led the Image Processing team in building an Android application that will help users track their caloric intake through pictures of their meals. Utilized graph based image segmentation and the Google Vision API to measure the calorie density of each meal and provide accurate metrics.

PROJECTS

Digital Brain - Organize your Search History

September 2017 - December 2017

- Created a web application that automatically content-categorizes users' search history and significantly shortens the time taken to find a particular page. Was one of the top 5 products on Product Hunt.

FoodNet - A Neural Network for Food Image Recognition

August 2018 - December 2018

- A Convolutional Neural Network that was trained on 101000 food images divided into 101 categories and achieved a test accuracy of 84.16%. Built and trained using Keras and Tensorflow. Currently building a web interface to showcase live results.