

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 August 2020 - December 2021
M.S Computer Science; Specialization: Computing Systems **GPA: 4.0**
- Georgia Institute of Technology** | Atlanta, GA January 2019 - May 2020
B.S Computer Science; Threads: Intelligence and Theory **GPA: 4.0**

SKILLS and COURSEWORK

- **Tools:** Python, JavaScript, Java, C++, Golang, SQL, ReactJS, Node.js, MongoDB, Firebase, PyTorch, Git, Docker,
- **Courses:** Advanced Algorithms, Deep Learning, Systems for Machine Learning, Databases, Network Science

WORK EXPERIENCE

- Salesforce Inc.** San Francisco, CA
Software Engineering Intern (Commerce Cloud Einstein) May 2020 - Present
- **Product Category Recommendation System:** Designed a production ML system to recommend product categories to merchandisers based on the product data. Created text and image embeddings using BERT and EfficientNet and trained a DNN on over 500,000 training examples. Utilized Docker and Kubernetes to ensure scalability to a growing customer base.
- Georgia Institute of Technology** Atlanta, GA
Machine Learning Theory Researcher January 2020 - Present
- **Adversarial Robustness using Multiclass Boosting:** Spearheading efforts to make supervised learning algorithms such as Decision Trees and Neural Networks robust to adversarial perturbations using Multiclass Boosting. Under the supervision of Prof. Jacob Abernathy and two research scientists from Google NYC.
- Salesforce Inc.** San Francisco, CA
Software Engineering Intern (Commerce Cloud- B2B) 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.
- Data Science @ Georgia Tech** Atlanta, GA
Director of Content and Bootcamp January 2019 - November 2020
- **DSGT Bootcamp:** Heading the development of a novel 11-week bootcamp that helps students develop core Data Science skills. Piloted with 50 students Fall 2020.
- The Home Depot** Atlanta, GA
Software Engineering Intern 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%.

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.