

Anant Kaushik

anantk@cs.cmu.edu • anantkaushik.com
linkedin.com/in/anantkas • github.com/anant-kaushik

EDUCATION

Carnegie Mellon University – School of Computer Science

Pittsburgh, PA

Master of Software Engineering - Scalable Systems | CGPA 3.72 / 4.33

Dec. 2020

Current Courses – Software Engineering Practicum, Programming Quantum Computers, Business and Marketing Strategies

Past Courses - Architectures for Software Systems, DevOps: Modern Deployment, Engineering Data Intensive Scalable Systems, Models of Software Engineering, Entrepreneurship and Innovation Technology

Guru Gobind Singh Indraprastha University

Delhi, India

Bachelor of Technology - Computer Science and Engineering

June 2017

SKILLS

Languages, Frameworks and Databases - JavaScript, Python, Java, React.JS, Serverless, MySQL, NoSQL

DevOps Tools – Git, Docker, Kubernetes, Vagrant, Nagios, Logstash, Jenkins, AWS

Spoken Language: English, Hindi

PROFESSIONAL EXPERIENCE

The Johns Hopkins University | JSALT Workshop 2020 (Remote)

Baltimore, MD

Graduate Student Researcher

Jun 2020 – Present

- Spearheading development of backend infrastructure for collection of large-scale human-machine dialogue data and raw pcm audio data for public release using Amazon ASR and TTS.

Amazon Alexa Prize Social Bot Challenge

Pittsburgh, PA

Graduate Research Assistant – Tartan Bot Team

Apr 2020 – Present

- Reduced bot response time to 50% by introducing concurrency in internal message transfers.
- Created automatic data labeling tasks to facilitate deep learning clustering using Snorkel and Convokit.
- Authored a paper on the Two-Tiered Dialog Framework ([link](#)).

Carnegie Mellon University

Pittsburgh, PA

Graduate Teaching Assistant

Jan 2020 – Present

- Assisting [Babs Carryer](#) in AI Innovation (11654), teaching basics of innovation and starting and building a new venture using AI.
- Assisted professor in Entrepreneurship and Innovation in Technology (14815) in Spring 2020. Mentored students on “Apprentice Project” and “Mock Startup” projects. Participated in Investors meeting at Blue Tree Allied angels.

Digital Dream Labs

Pittsburgh, PA

Software Developer Intern

May – Aug 2020

- Developed an open source tool to allow users of Vector to configure robot with different firmware.
- Constructed a npm package to enable users to save, sign and share different firmware OTAs for vector ([vector-web-setup](#)).

Zerone Microsystems Private Limited

Gurugram, India

Lead Developer

June 2017 - May 2019

- Designed BLE based Swipe protocol allowing exchange of data packets across iOS and Android by swipe of two smartphones (alternative to NFC); 30% faster than previous version.
- Lead team of 8 developers on [Fintech project ZUP](#), that converts smartphones into payment terminal

ACADEMIC PROJECTS

Vector Insights Dashboard

Sep 2020 - Present

- Heading development of capstone project web-based dashboard allowing users to visualize Vector performance per release.

Tartan Smart Home Project

Jan – May 2020

- Improved the architecture of Java based IoT Smart home controller to improve scalability.
- Developed an automated machine learning pipeline with daily training capabilities data feedback to control the light switches.

Ubiquitously controlled personalized smart-lock

June 2015

- Developed a smart automated door lock using off-the-shelf hardware, Raspberry Pi and Android app to control to lock.
- Published in the IEEE IoT (I-SMAC) Conference in Coimbatore in Feb 2017 ([link](#)).

LEADERSHIP AND HONORS

SCS Dean’s Master’s Student Committee Member

Jan 2020 – Present

Semi-Finalists – Amazon Alexa prize Socialbot Challenge 3

July 2020

A. Nico Habermann Educational Service Award

May 2020