Sayan Chaudhry

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Education

School of Computer Science, Carnegie Mellon University
Master of Science
Computer Science, August 2021

Teaching:
- Great Ideas in Technical Interviews & Coding Screens
- Great Ideas in Theoretical Computer Science (Head TA)

School of Computer Science, Carnegie Mellon University
Bachelor of Science
Computer Science, May 2020

GPA: 4.0 (University Honors)

Additional Minors:
Human-Computer Interaction
Business Administration

Relevant Coursework:
- Fairness, Accountability, Transparency, & Ethics in Sociotechnical Systems*
- Persuasive Design*
- Artificial Intelligence Methods for Social Good
- A Theorist's Toolkit
- Database Systems

Skills

Languages:
Python · JavaScript/TypeScript · C/C++ · Swift · Shell · SML

Frameworks:
Flask · React · SQL · Git · LaTeX

Technologies:
Google Cloud · Postman · Figma

Activities

ScottyLabs
Director

TartanHacks
Lead Organizer

CMU Entrepreneurship Fair
Lead Organizer

Work Experience

Lyft · Software Engineering Intern — June 2020 - July 2020
- Worked on the Business Concierge team to tackle excess mileage fraud and improve OKRs such as organization trust and driver experience and rider safety
- Made backend and frontend changes to enable dispatchers to modify destination for riders

Postman · Software Engineering Consultant — June 2020 - August 2020
- Created educational content for webinars to teach high school and college students about API development and testing as part of the Developer Relations team
- Designed a scavenger hunt and automated system using Google Sheets API for certifying prospective Postman Student Experts

Yelp · Software Engineering Intern — May 2019 - August 2019
- Led web team to introduce portfolios for businesses as a direct monetization feature to highlight their distinctive products and increase CTRs
- Worked on migrating business pages to React from Cheetah templates by extracting all features into their own reusable components as part of the Core Experience team

Selected Projects

No Duckling is Ugly · PennApps Fall 2018
- Developed a scalable IoT system to tackle the problem of bullying in schools by conducting sentiment analysis and voice model recognition using a RESTful API for CRUD operations
- The project won the Best Education Hack and the Best IoT Hack awards at the hackathon

ezxkcd · PennApps Winter 2018
- Created a media recommendation algorithm using sentiment analysis that suggests xkcd comics by recognizing the user's current mood using OpenCV with a 3-member team
- The project was among the top 30 hacks at the hackathon

VideoLingo · HackCMU 2017
- Created a desktop platform in Python that helps users learn new languages by using community translated YouTube closed captions with a 4-member team
- The project was named the 'Most Likely to be the Next Million Dollar Startup'

Bhasha Technologies · BharatHacks 2017
- Developed an accessibility solution in Python with a 4-member team to translate and dub the audio track of any YouTube video into Indian regional languages in real time
- The project won the first prize and is part of IBM's Global Entrepreneur network

Research and Publications

Novel Defense Against Code Theft Using Properties of Fibonacci Series
Presenter, SIGBOVIK 2019

Data Management Device to Enhance Cellular Connectivity in Rural Areas (Patent Pending)
Awardee, Dr APJ Abdul Kalam IGNITE Award 2016 by National Innovation Foundation

Computation Model for Profiling of Antimicrobial Resistance in N. gonorrhoeae
National Finalist, Intel IRIS National Science Fair

Awards and Honors

- *Senior Leadership Recognition 2020 Recipient*, Carnegie Mellon University
- *Winner*, Google Tech Challenge Pittsburgh
- *International Rank 1*, National Cyber Olympiad 2015 (held in 22 countries)