SAMARTH CHUGH (WEBSITE)

Houston, Texas, USA

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(**Lawful Permanent Resident**) GitHub LinkedIn

WORK EXPERIENCE

Mar 21 to Present | State Farm | Software Developer

- Migrating and creating new micro-frontend architecture based on React and GraphQL.
- Developed new features in policy center and improved PIT Testing coverage to 90% (up to 50% increase).

Dec 19 to Mar 21 | Allstate Insurance - Infosys | Associate Software Developer (Power Programmer)

- Full stack web developer working with Java (Spring) and MEAN stack.
- Revamped current processes to save 100+ hours monthly with automation scripts in Python.
- Directly working with clients to improve their experience.

Jan 19 to Mar 19 | Stanford University | Data Science Intern | Antimicrobial Resistance

- Found answers to mitigate antimicrobial resistance in various countries using Bayesian Decision Networks.
- Explored, cleaned and merged over 35 GB of data collected from 5 different sources in R.

Jun 18 to Oct 18 | Stanford University | Data Science Intern | Addressing Health Inequalities in the U.S.

- Developed actionable interventions to promote longevity of life and explore causes of health inequality.
- Created an interactive web-application in R to aid the visualizations.
- Used Bayesian Decision Networks to find outcomes such as, annual lipid testing in the diabetic population being the most influential preventive care to maximize life expectancy.
- Published paper at AAAI 19 | GitHub

Aug 18 to Oct 18 | Author – Book Chapter | Statistical Methods: Introduction and Various Concepts

- Provided an introduction to descriptive and inferential statistical methods.
- Accepted at Intelligent Data Analysis, Wiley | Chapter

Jun 18 to Sept 18 | University of Delhi | Research Assistant | Acknowledgment System

- Improved networking efficiency up to 80% in delay tolerant network protocols through an acknowledgement system without affecting the underlying routing procedure.
- The system was written in Java and supports all protocols along with backward compatibility.
- Paper published at PGDC 18 | GitHub

May 17 to Aug 18 | University of Delhi | Research Assistant | Supernode Routing Protocol

- Developed a new protocol in Java for sparse network environments.
- Improved networking efficiency up to 200% by minimizing resource utilization while dividing the network area into grids and forwarding the messages with the help of GPS.
- Paper published in AIHC Journal, Springer | GitHub

2016 Freelance | Web Development | Front End

- Made landing pages, blogs and showcased events for clients and college.

EDUCATION

Aug 15 to May 19 | Netaji Subhas Institute of Technology, University of Delhi

- Bachelor of Engineering in Information Technology – 4.0/4.0 GPA

Apr 10 to Mar 15 | Mount St. Mary's, Delhi

- Joint Entrance Examination (JEE) Main | All India Rank – 5657 | Percentile: 99.6%
- Senior Secondary Education – 12th Grade CBSE – 96.2%

SKILLS

Languages: Java, React, GraphQL, SQL, C++, Python, MEAN Stack, Gosu, HTML, CSS, JavaScript, Typescript, R

Tools: Git, PIT testing, Guidewire, Photoshop, Vim