SAMARTH CHUGH (WEBSITE)

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San Montego, 1600 Eldridge Parkway, Houston, 77077   GitHub LinkedIn

WORK 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.
- Applicable to scenarios of communication between villages in a desert.
- Paper published in AIHC Journal, Springer | GitHub

2016 Freelance | Web Development | Front End

Consilium | College Event | Website

- Built a descriptive page with information about the conclave, the various events and the organizing team.

iSocialNow | Client – Technokart India | Website Screenshots

- Made a landing page containing company information, its brands and a job portal.

Kaustubh Blog | Template Screenshots

- Developed a blog template comprising of blog pages, team description, an author page and a contact page

Meet Around | Startup | Template Screenshots

- Built template pages describing the team, its privacy policy, frequently asked questions and a contact page.

EDUCATION

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

- Bachelor of Engineering in Information Technology – 4 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: R, Python, C++, HTML, CSS, JavaScript, SQL | **Tools**: RStudio, Git, Photoshop, After Effects

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