

Anish Saha

Full Stack Developer | Student @ UC Berkeley

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PROFILE

Third-year student double majoring in Applied Mathematics and Data Science with an emphasis in Computer Science. Diligent and versatile software developer seeking interesting and impactful projects.

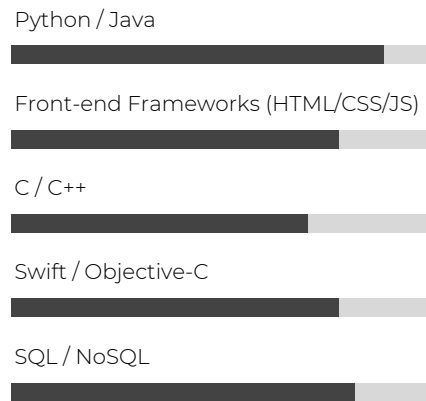
EDUCATION

University of California, Berkeley
Berkeley, CA · 2015 - 2019 · GPA: 3.10
B.A., Applied Mathematics
B.A., Data Science

COURSEWORK

- CS 61A – Computer Program Structure and Interpretation
- CS 61B – Data Structures
- CS 61C – Computer Architecture
- CS 70 – Discrete Mathematics and Probability Theory
- CS C100 – Principles and Techniques of Data Science
- CS C131 – Computational Models of Cognition
- CS 160 – User Interface Design and Development
- CS 161 – Computer Security
- CS 188 – Introduction to Artificial Intelligence
- CS 198 – iOS and Android Development
- MATH 53 – Multivariable Calculus
- MATH 54 – Differential Equations
- MATH 104 – Introduction to Analysis
- MATH 110 – Linear Algebra
- MATH 128A – Numerical Analysis

LANGUAGES



* Also proficient in MATLAB, LaTeX, GoLang, R, Scala, Photoshop, and other creative tools.

EXPERIENCE

QUANT FIVE ENGINEERING

- Software Engineering Intern** · May 2017 - Aug 2017
- Paid internship for Bay Area startup
 - Involved in all stages of development and design of Safesign
 - Involved in both frontend and backend programming for the team's product. See: www.safesigning.com

INVENTION CORPS OF BERKELEY

- Finance Chair** · Jan 2017 - Aug 2017
- Helped design and develop hygiene initiative solution web application for over 56,000 schools in Tamil Nadu, India
 - Helped develop and maintain organization website
 - Created budget and received over \$10,000 in total funding from a Stanford Design School Fellowship and the ASUC

DATA SCIENCE FOR INDIA

- Web Developer** · Aug 2017 - Present
- Involved in design and development of organization website
 - Assisted in development of curriculum for teaching over 400 high school students in India the basics of data science

UC BERKELEY COMPUTER SCIENCE

- Academic Intern** · May 2016 - Dec 2016
- Taught students in a computer science course – CS61A
 - Graded and debugged student projects and assignments

PROJECTS

SAFESIGN · Python, React.js · 2017

- Web application used for e-signing documents securely
- Backend: Involved in development of Two-Factor Authentication, Document Parsing, User Account Management, and Biometric Verification
- Frontend: Involved in design and development of Profile Creation, Sign Up / Log In Workflow, Mobile Compatibility, Email Verification, Password Management, and more

SNAPCHAT 2.0 · Swift, Objective-C · 2016

- Built a basic iOS SnapChat emulator from scratch using Swift and Firebase with a few personal twists
- Supports sending, receiving, and uploading snaps using Camera Roll or built-in device camera

SPEECH ASSISTANT · HTML, CSS, Node.js · 2017

- Helped build an Alexa skill using Amazon AWS Lambda and Node.js to create an assistant that could help users memorize custom / built-in speeches stored in DynamoDB
- Created web application to upload speeches, search for user-submitted speeches, and display all speeches

PROJECT: FIREWALL · Python · 2017

- Developed a utility to bypass the Great Firewall of China
- Supports tracing the route of sent packets, as well as sending / receiving packets of inaccessible HTTP requests
- Bypasses censorship (RST packets) and allows access to websites that are otherwise censored, such as Google