

Ishaan Gandhi

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EDUCATION

HARVEY MUDD COLLEGE

BS IN COMPUTER SCIENCE
May 2021 | Claremont, CA
GPA: 3.9

TJHSST

Grad. June 2017 | Alexandria, VA
GPA: 4.4

LINKS

Github:// [ishaangandhi](#)
LinkedIn:// [ishaangandhi](#)

COURSEWORK

COMPUTER SCIENCE

Computability & Logic
Machine Learning
Parallel Computing
Data Manipulation at Scale
Artificial Intelligence
Computer Systems Research
Data Structures

MATHEMATICS

Linear Algebra
Differential Equations
Logic
Discrete Mathematics
Probability and Statistics
Advanced Math Techniques for Scientists and Engineers
Multivariable Calculus

SKILLS

PROGRAMMING

Proficient:
Python • Java • HTML • CSS •
JavaScript
Intermediate:
• Matlab • Swift • Octave •
Mathematica • Swift • C++

TEST SCORES

ACT

Math: 36/36
English: 36/36
Reading: 36/36
Science: 36/36

EXPERIENCE

FACEBOOK | SOFTWARE ENGINEERING INTERN

Summer 2018 | Seattle, WA
• Will intern next summer.

CAPITAL ONE | SOFTWARE ENGINEERING INTERN

Summer 2017 | Tysons Corner, VA

- Worked on the Commercial Banking team to design and develop the full stack implementation of an IoT sensor network to automate credit extension to business customers.
- Built real-time dashboard for customer to view financial status, wrote RESTful API to send progress updates to customers, built server to handle requests from customer portal.
- Languages & Technologies used: Flask, Python, Amazon Web Services (EC2, SNS, Lambda), Kafka, MongoDB, HTML5, JS.

RESEARCH

NASA | DATA COMPRESSION RESEARCH INTERN

Sep 2016 – June 2017 | Greenbelt, MD

- Wrote Monte Carlo simulator to investigate the efficacy of compressive sensing for space telescopes involved in gravitational microlensing studies.
- Worked with Asmita Korde-Patel and Dr. Richard Barry.

NASA | STELLAR ASTROPHYSICS LAB INTERN

Summer 2016 | Greenbelt, MD

- Sped up image data processing for research group 600x from Hubble Space Telescope using python scripts.
- Worked with Sean Terry and Dr. Richard Barry to calculate new luminosity function for the Milky Way's Bulge.

PROJECTS

IOS APP DEVELOPMENT

Summer 2016

Built and published utilities and games for iPhone and iPad on the iOS app store, with a total of more than 50,000 downloads. Apps include Pin Circle Darts, and various calculators. Apps currently for sale are visible here: goo.gl/K4LyNA

SOCIAL NETWORK VISUALIZATION

Summer 2016

Wrote scripts to analyze leaked DNC emails and construct social connection graph. Built interactive web app using Javascript to visualize social connection graph of the members. Project live at ishaangandhi.com.

AWARDS

2017	Top 1%ile	National Merit Scholarship Winner
2017	National	National AP Scholar
2015	National	USA Computing Olympiad Silver Division