

Sachin Rammoorthy

sachinr.me | sachinrm@umich.edu | GitHub | LinkedIn

EDUCATION

UNIVERSITY OF MICHIGAN

2020-2024 | College of Engineering
BSE in Computer Science
Recipient of Engr. Scholarship of Honor

STONEHILL INTERNATIONAL

Valedictorian, IB Diploma Programme
ACT: 36/36 | IB: 43/45

SKILLS

TECHNOLOGY Machine Learning • Git
• Android Dev • Web Dev • Data
Visualisation • Algorithms

LANGUAGES Python, C++, Android,
JavaScript

AWARDS/HONORS

GRAND PRIZE WINNER, GOOGLE CODE-IN July 2019

Attended the awards ceremony in Mountain View, CA. Was a mentor to 500+ students in 2020.

ENGR SCHOLARSHIP OF HONOR

2020-2024 | University of Michigan
Recipient of a \$120,000 merit scholarship over 4 years.

INTEL ISEF Dec 2018 | New Delhi
Shortlisted to the Indian team through Intel IRIS.

INTL LINGUISTICS OLYMPIAD

May 2018
Shortlisted to the Indian team // Attended the training camp in IIIT Hyd.

ACTIVITIES

Developed Apps:

CricSnips (social media) • **MedHealth TV** •
SeeSpeak - Language Acquisition

President of the **Math Club** in school

Academic Quiz/Bowl: Landmark Quiz Grand Award • Academic Science Bowl Organizer

MUN/Debate Outstanding Delegate

Christ University MUN (college-level) •
Stonehill MUN

EXPERIENCE

CISCO (42HERTZ) | SOFTWARE ENGINEERING INTERN

July 2019 - Sep 2019

Spearheaded the development of the analytics dashboard of OneClef, Cisco-42Hertz's flagship music streaming platform. Learnt to work with React and D3.js. Worked closely with the Director of Engineering.

LIQUID GALAXY | DEVELOPER

Sep 2018 - | Mountain View, CA

Created machine learning models to help identify forest fires with drones, contributed to the Homeless Aid Panoramic Interactive System, led development of liquidgalaxy.eu and more.

REDHAT | DEVELOPER AT JBOSS

Sep 2017 - Dec 2017

Created the bulk-certifier web app with PatternFly, and developed an Android app to aid with sales, internally dubbed 'Lead Management'.

SPARK CATCH THEM YOUNG — INFOSYS LTD. April 2016 - May 2016

Attended a highly selective computer science-enhancement program run by Infosys pan-India.

PROJECTS

MARKOV CHAIN BASED RATINGS FOR CRICKET Jun-Sep 2019

Developed a program that scraped through every ball bowled in the Indian Premier League and generated ratings for every player in the league. Uses Markov chains, binomial distribution, integral calculus, and probability.

DIAGNOSIS OF RETINOPATHY OF PREMATURITY USING AI

Aug 2018 - Aug 2019

Developed a DL algorithm that diagnoses ROP (the leading cause of infant blindness in the world). A joint project with **KIDROP** and **Narayana Nethralaya Hospitals**.

CAREER CENTRAL PODCAST/ISR Aug 2017 - Present

Started a **podcast** that aims to empower students by providing them with insiders' perspectives on careers and enabling them to make informed decisions. 30+ episodes, 1000+ users, listeners from 70+ countries.

SYSTEM TO ANALYSE WRITING AND PREDICT PERSONALITY

Jun 2018 - Dec 2018

Developed a deep learning algorithm that analyses handwriting and predicts aspects of one's personality. Collaborated with Dr Noothan Rao, a renowned graphologist.

AN AID FOR PATIENTS WITH DEGENERATIVE DISEASES Sep 2017

The app tracks senior citizens (with Alzheimer's/Dementia) and alerts their caretaker(s) when a predetermined geofence is crossed.