

Atharva Sawant



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EDUCATION

Plaksha University, Class of 2025

Mohali, Punjab, India

B.Tech. in Biological Systems Engineering | Activities: Infinity 2.0 (Student Ambassador, 2022-23)

Relevant Coursework: Fundamentals of Computational Thinking, Foundations of Physical World, Design Thinking

(Full coursework available atharvasawant.com/coursework.html)

Namo Rims International School and Junior College, Class of 2021

Pune, Maharashtra, India

Higher Secondary Certificate Examination (HSCE – Science Stream): 92.0%

Activities: Google Developers Group – Pune (Student Developer Advocate), Analogtomy (Editor-in-Chief), Namaste Venture (Project Head), Mathematics & Physics Tutor, Mental Health Advocate, Environmental Activist

Rotary English Medium School, Class of 2019

Khed, Maharashtra, India

All India Secondary School Examination (AISSE): 96.4%

Activities: Drama Club (President, Stage Actor & Playwright), Lead Organizer for Social Events, Mathematics Tutor, Web Developer, Co-Captain of Green Sports Team, Environmental Activist

WORK EXPERIENCE

McGovern Institute for Brain Research at MIT

Cambridge, Massachusetts, USA

Summer Research Intern

May 2020 - July 2020

- Analyzed the impact of the COVID-19 outbreak on teenage mental health & receptiveness of mental health support using an online resource platform with live Online Screening Tests (OSTs) for mental health disorders (incl.) Anxiety, Depression, and Addiction.
- Worked under Dr. Satrajit Ghosh to collect a dataset which empowered us to discover that a likelihood of a mental health disorder contraction has increased by 30% in teenagers & adolescents since the outbreak, and ultimately, these findings were compiled in a research abstract.
- After the study, the platform was merged into my non-profit Code For Need to support youthful humankind against mental health ailments.

Code For Need

Pune, Maharashtra, India

Founder

November 2019 - July 2021

- Instituted a non-profit organization to tackle teenage mental health disorders & suicidal actions and cultivate a sense of perception among the inhabitants throughout the world, concerning "How mental health plays a vital role in teenagers?"
- Developed an online resource platform for teenagers and adolescents with live Online Screening Tests (OSTs) for mental health disorders (incl.) Depression, Anxiety, and Addiction in a condensed diagnosis questionnaire framework.
- Engineered logistics, associate experience, and technological performance w/ Three Nationwide and Four Global Episodes. - Pune, Hyderabad & Nagpur (India), British Columbia (Canada), Michigan, Texas & California. (USA)

PROJECTS

Brain Tumor Diagnosis using MRI Scans via Google Cloud Auto ML Vision

July 2020 - August 2020

- Developed a computational paradigm using Google Cloud AutoML Vision module that detects 3 of the most invariably misdiagnosed brain tumours: Glioma, Meningioma & Pituitary Adenoma with 95.69% precision using 3000+ existing patient's MRI scans.
- Analyzed the annual likelihood frequency of brain tumour misdiagnosis and authored a research paper incorporating real-time data points & precision scores of the analysis.

HONORS AND AWARDS

2020 Cohort

Stanford Pre-Collegiate Summer Institutes

2019 & 2021

Maratha Community Award for Excellence

Rank 7th

CBSE Excellence Award

SKILLS AND INTERESTS

Languages: English, Hindi, Marathi

Technical: Python, MATLAB, HTML, CSS, JS, Research, Git, GCP, Microsoft & G Suite

Hobbies: Non-Fictional Reading, Investing, Film-Making