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, HTML, CSS, JS, Research, Git, GCP, Microsoft & G Suite
Hobbies: Non-Fictional Reading, Investing, Film-Making