



saakshaat.codes



@Saakshaat



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Saakshaat Singh

Experience

Center for Youth Engagement

Software Engineer

June 2020 - Present

Python | AWS | Docker | ORM

- **Architected** and **engineered** organization-wide **backend packages** cutting down redundant code by over **25,000+ lines** and speeding up development of future projects by weeks
- **Engineered python server**, hosted on **AWS**, for providing backend functionality to over 50 iPad client applications for an educational research
- **Developed, containerized** and **deployed a full stack system** for data analysis on different research program through survey parsing

Association for Computing Machinery

Vice Chair

January 2020 - Present

Leading the executive boards of the largest student tech group in Western Massachusetts

- Planning and leading our groups through our strategic roadmap
- **Established** web dev and marketing teams, **growing our member base** from 200 to over 600
- **Won** us the ACM global award for **Best Recruitment Program**
- **Founded** ACM ICPC and Blockchain group, latter led by **Bitcoin co-founder** Gavin Andresen

Projects

Stocksmith
Startup Founder

- Leading team of 10 UMass students for building automated stock analysis system
- ML and NLP in Python for technical and fundamental analysis
- Golang app.

Project Matching
Founder | Core Maintainer

- Open sourced platform for matching projects to people in student clubs
- Beta in FERN stack
- Final product in Ruby on Rails
- Contributors from DSC UMass, NTU and UIUC

Dequarantine
Hackathon | Tech Lead

- Platform for finding online social events
- Led 7 devs from over 4 countries in agile environment
- Worked on Firebase and Express for backend

Memories
Social Network for friends

Full stack social media app developed using FERN stack.

Sahayak
Voice Assistant

Voice assistant in Python to execute complex queries.
WolframAPI | SMTP | Selenium

Personal Blog
Rails project

Full stack journal in 5 minutes using Ruby on Rails scaffolds.

Education

University of Massachusetts, Amherst

Computer Science & Mathematics
GPA: 4.0 | Honors | Dean's List

Chancellor's Award of \$14,000 per year

Dean's International Scholarship

Vice Chair at UMass ACM

Open source developer at Google DSC

Skills

Languages

Java	C++	Python
Javascript	Ruby	Bash

Software Engineering

Docker	SQL	ORM	VCS
Agile	NoSQL	MVC	OOPS

Web Development

AWS	GCP	Firebase	REST	Rails
Node	React	FastAPI	HTML	CSS