

Result-oriented engineering student, with proven leadership capabilities and ability to collaborate in a multi-cultural environment, keen on expanding knowledge of 3D design and Project Management by contributing to real-life projects.

SKILLS

AutoCAD & SolidWorks

MATLAB & Python
(Tkinter, pandas)

Web/App Development
(HTML, CSS, JavaScript, Flutter)

UX/UI Design
(Figma)

Product Management
(Scrum, Kanban, Jira)

Design Thinking

Entrepreneurship & Leadership

German Language

EDUCATION

UC BERKELEY

Bachelor of Science | Expected 2021 | Berkeley, CA

Major: Mechanical Engineering

Completed: Information Systems & Devices, Statics/Dynamics, Thermodynamics, IoT, Fluid Mechanics, Controls & Feedback, Properties of Materials, Design of Planar Machinery, Engineering Economics, Product Development, Processing of Materials in Manufacturing.

Current: Engineering Ethics, Mechatronics Design, Heat Transfer

Product Design Projects:

- Green Clean - Soap Bar grater allowing for complete usage of bar soap hygienically
- Heading Machine with continuous billet loading capabilities
- IoT-based device for optimal tuning of musical instruments

Additional details and projects are available at: <http://www.royrishabh.com>

EXPERIENCE & ACHIEVEMENTS

CO-FOUNDER
CO-PRESIDENT | 2020-2021
VP OF FINANCE | 2019-2020
Swim Club at Berkeley

- Drove 18% growth in membership and 100% in meet registration within one semester
- Secured multi-year sponsorship from ARENA, a leading company for swim equipment
- Led crowdfunding and fundraising, and organized meets and team bonding events

WEB DEVELOPMENT/UI TEAM
MEMBER | 2020
48in48 in Partnership with IBM

- Created a website in 48 hours for Overtown Optimists Club using WordPress
- Designed the Style Guide for the website
- Implemented a new user management system to streamline subscription and registration services

ASSISTANT COACH | 2018, 2019
Rudgear Meadows Swim Team

- Transformed the team into a motivated winning team by introducing a "work hard" attitude, dryland workouts and a special focus on technique
- Coached the team to finish two consecutive seasons with a 2X increase in the number of Championship Swimmers
- Managed swimmers across age groups and varied cultures

RECRUITMENT CHAIR | 2018-19
UC Berkeley Bengali Student Association

- Drove 200% growth in membership in one year
- Started a Big-Little program to integrate new and old members
- Organized multiple team bonding events

"IMPACT SWIMMER OF THE YEAR" | 2017
Pacific Swimming

- Selected out of 16000+ swimmers in the third largest of USA Swimming's 59 regional associations, for demonstrating leadership and dedication to service towards others

LDT MEMBER | 2015-16
California Academy of Sciences

- Trained 30+ TASC (Teen Advocates for Science Communication) members on public speaking and the different museum exhibits
- Created a new experience (Light Bot) for patrons

PRODUCT DEVELOPMENT

"MEET SEEDING" APP | 2019
CS Project

- Developed a desktop app for conducting swim meets
- Seeds swim meets according to the event order followed by College Club Swimming and user preferences such as number of lanes, circle seeding and seeding order
- Used Python (Pandas and tkinter Libraries) and published it as an executable installer