

Rishabh Nanawati

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Mumbai, IN



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Work Projects

Web Application Interface for Curabit

Python (Flask) • HTML/CSS • Javascript • MongoDB • Deployed on Docker

A web application that allowed CRUD operations on patient data and served API endpoints for 360 video playback.

UnityVR Application for Curabit

C# • Unity3D Engine • Worked on only basic API response handling and video playback

A basic UnityVR app that plays 360 videos and controls their playback through API communication.

Publications

Use Of Virtual Reality In Exposure Therapy And Other Psychological Treatment Methods

Book Chapter • Published by CRC (Taylor & Francis Group) • ISBN 9781032048239

Releasing in 2022, this paper builds on the extensive research done over the past two decades in the field of VR based Therapy and highlights practices and treatment methods that yield the best results with patients of various kinds of disorders, ranging from generalized anxiety (GAD) to autism.

Personal & Academic Projects

Autoencoder for Data Compression

PyTorch • TensorFlow • FastAI

An autoencoder neural network was designed to compress data from CERN's ATLAS software. This project was an evaluation task, part of Google Summer of Code 2021.

Sign Language Interpreter

OpenCV • PyTorch • SciPy • TensorFlow • Tcl/Tk

Using image processing techniques and a CNN model, a Python GUI application was created that can interpret sign language as english characters that are displayed, spoken and stored.

Education

NMIMS University • Mumbai, IN

Bachelor's of Technology

Major:

Computer Engineering

Minor:

Artificial Intelligence & Machine Learning

Skills

Web Development

HTML/CSS

Bootstrap

Javascript

Flask (Python)

Database Management

MongoDB

PHP (MySQL)

Data Science

Turicreate & GraphLab

Tensorflow

Misc. Programming Technologies

C/C++

Java

C#

Javascript

Python

VCS (Git)

Graphics & UI/UX Design

Adobe Photoshop

Adobe Illustrator

Figma

Adobe XD



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github.com/nrishabh

Certifications

Cloud Native Foundations

SUSE Scholarship Recipient • SUSE • Udacity

Machine Learning Specialization

University of Washington • Coursera

Sequence Models for Time Series and Natural Language Processing

Google Cloud • Coursera

Neural Networks & Deep Learning

DeepLearning.AI • Coursera

Improving Deep Neural Networks

DeepLearning.AI • Coursera

Applied AI with DeepLearning

IBM • Coursera

Advanced Machine Learning and Signal Processing

IBM • Coursera

Responsive Web Design

FreeCodeCamp

Volunteer Work & Extra-curricular Activities

MUN Society MPSTME

► **Charge D'Affaires** • 2020-2021

Lead the core team to conduct various events. Identified problems and requirements of the society, strategized solutions and drove various core departments into taking action. Served as Vice President of one of the best Youth Parliaments of the country - Mumbai Yuva Sansad.

► **Head of Digital Creatives** • 2019-2020

Responsible for all the graphic design content delivered and used by the organization for its various purposes. Served as USG Design and Media for one of the most celebrated MUNs of the country - Mumbai MUN.

► **Executive of Digital Creatives** • 2017-2019

Delivered various designs as per the requirements of the Mumbai MUN conference.

Achievements

2nd Prize

Runtime Terror • Coding Competition

Ranked 2nd in Runtime Terror, a coding competition organized by The White Hat Cell, NMIMS University and hosted by HackerRank.

Top Marketer Award

Google AdGrants Online Marketing Challenge

In June 2019, awarded the prestigious "Top Marketer" award for my work with Sarcoma UK, a non-profit that raises awareness about Sarcoma Cancer and funds for its research primarily in the UK. I lead a team of 5 to handle \$10,000 in Google marketing and improve their Google Search campaign, with an eventual increment of approximately 25% in views and clicks. This was a part of Google's Ad Grants Online Marketing Challenge.

Student Ambassador Award

NMIMS University, Mumbai, IN

For the batch of 2021, NMIMS University presented The Student Ambassador Award to those who have excelled in representing the college and have performed exceptionally during their course tenure at MPSTME at the national and international level.

Resolution Fellowship

The Resolution Project, New York, USA

In June 2020, a fellowship was awarded by The Resolution Project for my work with Curabit. With the fellowship, I joined a community and network of advisors, socially responsible supporters, and an action-oriented peer group.

