

# Shloak Rathod

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## EDUCATION

### Aditya Birla World Academy

April. 2021 – June 2023

*International Baccalaureate Diploma Programme (IBDP)*

- **Higher Level Coursework:** Mathematics Analysis and Approaches (Calculus), Computer Science, Physics
- **Standard Level Coursework:** English, Economics, Spanish as a second language

### D. Y. Patil International School

April. 2019 – May 2021

*International General Certificate of Secondary Education (IGCSE)*

**GPA: 3.91/4**

- **Coursework:** Additional Mathematics (Calculus), Computer Science, Physics, Chemistry, Global Perspectives, English, French as a second language

## SKILLS

**Languages :** Proficient: Python, Java, HTML, CSS, Matlab; Familiar: SQL, Typescript, Javascript, Unix Scripting (bash)

**Python Frameworks :** Scikit-Learn, PyTorch, TensorFlow, Matplotlib, Keras, Numpy, Matplotlib, Pandas, OpenCV, NLTK

**Tools :** LaTeX, GitHub, Adobe Photoshop, and Google Analytics

**Extracurriculars :** Hackathons, Robotics, Graphic Design, Math Club, Football

## RESEARCH EXPERIENCE

### Exploring Author Profiling for Fake News Detection

June. 2021 – October. 2021

*In preparation for publication*

- Mentored by **Dr. Maria Konte**, a research scientist at the School of Computer Science at Georgia Tech.
- Built author profiles to detect fake news authors based on 4 feature groups: stylometry, sentiment & emotion, named entities, and co-authorship patterns.
- We trained 6 supervised machine learning models, of which the K-NN model performed best, achieving an **83% True Positive Rate when the False Positive Rate is 5%, and a 93% area under the curve score** on a Repeater Operating Characteristics Curve.

## WORK EXPERIENCE

### Trevo Consulting

May. 2021 – Present

*Co-Founder and Chief Executive Officer*

- Hired, led, and collaborated with a group of 12 web developers, including employees and interns.
- Set up a cost-effect business model to incorporate user needs and maintain low-cost web development services.
- Conversed, negotiated, and understood client needs to build custom websites.
- **Highlights:** [Trevo Consulting Website](#), [Sabari Group-Client Website](#), [Vivaza Diamonds-Client Website](#)

### Whizzard

June. 2021 – Aug. 2021

*Jr. Web Development Intern*

- Worked directly under the head engineer on **3 web apps**, using Angular, MongoDB, NodeJS, HTML, and CSS.
- Set up a community project undertaken by Wizzard: India Shield COVID-19 web app.
- Fixed bugs, worked on patches, and added features to the Whizzard portal.

## Peace Without Limits International Organization

Sept. 2020 – Oct. 2020

### Graphic Designer

- Worked on posters for various webinars hosted by Peace Without Limits International Organization.
- Collaborated and worked in a group of 4 interns.

## Adhrit Foundation

May. 2020 – July. 2020

### Social Media Intern

- Startled and handled the Instagram account of Vidhi, a venture by Adhrit Foundation.
- Collaboratively worked on ad campaigns to grow the number of followers.

## VOLUNTEERING EXPERIENCE

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### Toy Bank

June. 2021 – Present

#### Buddy-program associate

- Play and chat with underprivileged children to help them maintain a high morale.

### Habitat for Humanity International

April. 2020 – May. 2020

#### Fundraiser

- Raised 2,70,000 rs for the Habitat for Humanity International COVID-19 relief campaign.

## PROJECTS

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### Get My Courses

- Get My Courses is a course aggregator that sources the best courses for you. When a user searches for a course, the website will process the search using natural language processing. The website has more than 49000 courses from 4 ed-tech companies: Udemy, Coursera, Data Camp, and edX. **Get My Courses won at Data Day Grind 2.0 Hackathon hosted by Major League Hacking.**
- Technologies used: Python (Sklearn, Beautiful Soup, and NLTK).
- **Highlight:** [Github Link with video demo](#)

### COVID-19 AI Chat Bot

- Built an intent-based deep learning chatbot that pre-processes the input and matches the input to the closest intent.
- Technologies used: Google Cloud, HTML, CSS, Javascript (winbox.js), and Python (Sklearn, Flask, and NLTK).  
css3
- **Highlight:** [Video Demo](#)

### AI Health Analyzer

- Built a machine learning web application that asks for basic health information and alarms potential common illnesses a user may be prone to in the future.
- Technologies used: HTML, CSS, Javascript, and Python (Scikit-Learn, and Flask).
- **Highlight:** [Video Demo](#)

### Market Analyzer

- A web app that uses the Twitter API to analyze sentiment on particular stocks and predicts the best-rated stocks- a work in progress.
- Technologies used: HTML, CSS, Javascript, and Python.

## COURSES

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**Inspirit AI (Advance Cohort):** A selective artificial intelligence course developed and taught by Stanford and MIT alumni and graduate students.

**Natural Language Processing Specialization :** A Natural Language Processing course offered by DeepLearning.AI on Coursera.

**Machine Learning :** A foundational machine learning course offered by Stanford University on Coursera.