

# SHASHWAT RATHOD

Boston, MA (open to relocation)

📞 +1-(857)-265-5212

✉️ shashwatrathod22@gmail.com

🌐 /shashwat-rathod

🔗 /shashwatrathod

🌐 shashwatrathod.netlify.app

## EDUCATION

### Northeastern University

Candidate for a Master of Science in Computer Science

Related Coursework: Programming Design Paradigm, Foundations of AI

Sep. 2021 – Present

Boston, MA

### Pandit Deendayal Energy University

Bachelor of Technology in Information and Communication Technology

Related Coursework: Algorithms, Data Structures, OOP, OS

Aug. 2017 – May 2021

Gandhinagar, India

GPA: 9.02/10

## TECHNICAL SKILLS

**Languages:** JavaScript, Python, Java, C#, HTML, CSS

**Developer Tools:** VS Code, IntelliJ, Android Studio, Unity

## EXPERIENCE

### Nirmitee.io

Software Developer Intern

Jan. 2021 – May 2021

Pune, India

- Iteratively built upon own models to bring the time taken to parse and rank a document down by around 65% to 2s.
- Conceptualized and implemented a scale-able state management logic of the PWA.
- Modularized components and functions to improve readability, and reusability of the code.

### Nirmitee.io

AI/ML Analyst Intern

Sep. 2020 – Nov. 2020

Pune, India

- Single-handedly kick-started development work of the project by laying down an efficient and scale-able foundation.
- Streamlined the management of training data by developing APIs to add, edit and remove data points, and auto-retraining of the model.
- Modified an existing open-source project to include fetching, displaying dynamic data along with accepting user choices to better suit requirements of the project.

### Eople Internet Pvt. Ltd

Android Developer Intern

Jul. 2019 – Aug. 2019

Bhopal, India

- Worked closely with the team to structure important app functionalities.
- Integrated Google Maps API and Google Location API to help the users navigate to our business partners' location.
- Assisted the CEO in making better and informed decisions regarding multi-device support.

## PROJECTS

### SpotifyStats | ReactJS, ExpressJS, CSS, SpotifyAPI

- Implemented Spotify's authorization flow and ensured secure flow of important user credentials between frontend and the backend.
- Created custom wrappers around the SpotifyAPI on the backend to reduce user's CPU, memory, and bandwidth utilization by around 18%.

### Balley | Unity, C#

- Created Balley, which is a 2D hyper-casual infinite runner game where user controls a ball and dodges the obstacles while building up the score.
- Finely curated game levels, and the logic that makes the game progressively difficult, and incentivises the players to try and collect power-ups.

### Conway's Game of Life | JS, HTML, CSS

- Conway's game of life is an evolution simulator game devised by John Conway. Each cell on the two-dimensional grid can either be dead or alive. The interactions of these cells through the generations demonstrates cellular automaton.
- Developed the GUI, and mathematical and conditional logic for the simulator.

## LEADERSHIP / EXTRACURRICULAR

### Brahmand - The Astronomy Club of PDEU

Vice President

2019 - 2020

Pandit Deendayal Energy University

- Conducted around 12 events throughout the year and managed to stay within the estimated budget.
- Identified team members' strengths, weaknesses, likes and dislikes to get the most efficiency out of them.
- Coordinated with guests, vendors, and university administration throughout the year to warrant smooth events.