Advait Vivek Ambeskar

Phone: (352)-240-4231• Email: ambeskaradvait@ufl.edu
linkedin.com/in/advaitambeskar/ • advaitambeskar.github.io

EDUCATION

- **Master of Science in Computer Science, University of Florida**, USA. December 2019
- **Bachelor of Engineering in Electronics Engineering, University of Mumbai**, India. June 2017
  First Class with Distinction

PORTFOLIO

- **Personal Website:** www.advaitambeskar.com/
- **Poster:** advaitambeskar.github.io/poster

SKILLS

- **Programming Languages & Libraries:** Java, Python, OpenCV, Electron.js
- **Website Development:** HTML, CSS, MEAN framework, JavaScript
- **Adobe Creative Suite** (Proficient in **Adobe Photoshop, Adobe Lightroom, Adobe XD, Adobe Premier Pro**)

PROJECTS

Afridokta – Virtual Reality Solution for Telemedicine in Africa

- Android application development through **Unity game engine**. Worked on application design, scene programming, and object behavior. Collaborated with a team of four.
- Worked with Afridokta to introduce **a proof-of-concept virtual reality application** to replace traditional telemedicine technology.

TIBS – Traceroute Integrated Bike Sharing Service

- Introduced **bike-sharing platform** using network data usage patterns to improve on-campus services at UF. **Led the team of four** to **develop a proof-of-concept android application** as a prototype.
- Project would **reduce the carbon footprint by atleast 9%** to support the Neutral UF Coalition post adoption.

Quirkly– Mobile application for organizing and scheduling social outings

- **iOS application** to improve social interactions by smart match-up. Presented at **ShellHacks 2018**.
- Worked with a team of 3 to **design and develop the application** aimed at providing risk-free methods for people to meet new people in the real world.

RedditSwap – Reddit site-wide sentiment analysis

- Website using **MEAN stack** development principles to track transience of sentiment and usage patterns using public data from Reddit across the website. Currently developing front-end design using **Adobe XD**.

Optimal Path Finding Algorithm for Robotic Systems using Image Processing

- Designed and implemented an algorithm to provide alternatives to commonly used path finding algorithms like Dijkstra using **Python** and **image processing** tools provided through **OpenCV**.
- Awarded best paper at **3rd International Conference on Computing, Communication, Control and Automation**, India. Previous version of research published at **2016 International Conference on Inventive Computation Technologies (ICICT)**, Coimbatore, India.

OTHER PROJECTS

READHARE

January 2014 – December 2016

- **Developed and designed an online platform** for the students at VIT, Mumbai. Published bi-weekly newsletters for the students.

VOLUNTEER ACTIVITIES

- **Webmaster and Head of Research & Development (2014 - 2016)**, IEEE Student Branch, Vidyalankar Institute of Technology.