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PIYUSH AGADE

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CAREER OBJECTIVE

To secure a position where I can efficiently contribute my skills and abilities to the growth of the organization.

EDUCATION

University of Florida, FL **April 2017**
- Master of Science in **Computer Science**, **GPA**: 3.43
- **Coursework**: Analysis of Algorithms; Computer Networks; Database Management Systems; Machine Learning for Health Applications; Social Network Computing; Software Engineering; Pattern Recognition.

University of Pune, IN **May 2014**
- Bachelor of Engineering in **Electronics and Telecommunications**, First Class with Distinction

PROJECTS

Exam Timer (Angular 2, jQuery) GitHub Demo **Mar 2017**
- Developed an exam time management web app for aiding proctors conduct written examinations.
- Added a 'Save to cloud' feature, which allows saving exam events that can be retrieved later.

Psyc (Electron, jQuery) GitHub **Feb 2017**
- Designed a note-taking, to-do manager, and a desktop widget app for Linux.
- Added the capability to parse markdown text format.

UniClip (Android, Electron, Firebase, jQuery) GitHub 1 GitHub 2 Official website **Jan 2016**
- Created a cross-platform clipboard sync application using Android Studio, Firebase, Electron, JS, and HTML.
- Designed and implemented a WhatsApp web-like QR-based authentication system.

Ultrasound Nerve Segmentation (Python, Keras, SciPy, NumPy) GitHub **Aug 2016**
- Fashioned a machine-learning algorithm to predict the location of Brachial Plexus nerve in ultrasound images of the human neck to aid in surgical preparations.

Soccer Statistics System (Oracle, PHP, jQuery) GitHub **Jan 2016**
- Developed a real-time soccer facts machine using Oracle, PHP, HTML, JS and CSS for the course Database Management Systems which allows users to find interesting correlations among various players, leagues, etc.

Viral Marketing Influence Propagation (Python, CherryPy, VisJS, jQuery) GitHub **Aug 2015**
- Implemented two algorithms in Python to study spread of information in a social network.
- Developed an interface to visualize the output graphs using a JS visualization library, HTML, and CSS.

WORK EXPERIENCE

Backend Developer Intern **Filtrest, Inc.** **July 2016**
- Designed, developed and populated the database and lookup algorithms for the system using **Python** and APIs of popular social networking sites like Twitter, Reddit, etc.
- Constructed a relational database for storing the data obtained by lookup algorithms.

Student Research Assistant **Intelligent Health Systems Lab** **Sept 2016**
- Analyzed a corpus of medical journals, extracted and visualized various interesting information using **NLTK**, **Python** and other python libraries.

INVOLVEMENT

Organizer, Lead Web & Graphics Developer **Texephyr and Summit** **Feb 2014**
- Held organizer position, and led a team of **web developers** to create the website for annual technical fest at U of Pune.
- Supervised a team of **graphics designers** that created the marketing content for the national sports meet at U of Pune.

Editor & Designer **Resonance** **Sept 2013**
- Edited and designed the departmental newsletter for the department of Electronics and Telecommunications at U of Pune.

AFFILIATIONS

- Member of college's Baseball and department's Basketball team at U of Pune.
- Participated in many tournaments as an active member of Badminton club at U of Florida.
- Participated in community service events organized by Gators for Asha and Badminton club at U of Florida.

LANGUAGES AND TECHNOLOGIES

- Java, Python, C, C#, Angular 2, Bootstrap, MySQL, NodeJS, Express, JavaScript, jQuery, PHP, HTML, CSS, Lua, MongoDB
- Android Studio, Firebase, AWS, Electron, Git