Rahul Yedida, Software Developer

Website :: GitHub :: LinkedIn

r.yedida@pm.me

(919)-636-8327

EDUCATION

North Carolina State University Raleigh, NC
Ph.D. Computer Science - GPA: 3.9/4.0 *Aug. 2019 – Present*

PES University Bangalore, India
B.E. Computer Science - GPA: 3.2/4.0 *Aug. 2015 – May 2019*

EMPLOYMENT

North Carolina State University Raleigh, NC
Graduate Research Assistant *Jan. 2020 – Present*

- Better, faster deep learning for software engineering
- V&V for AI systems
- Reuse in software engineering
- Automated microservice partitioning

Graduate Teaching Assistant *Aug. 2019 – Jan. 2020*

- Held office hours for 54 undergraduate students and delivered lectures on C++.

Indian Institute of Astrophysics Bangalore, India
Research Intern *Jul. 2018 - Mar. 2019*

- **Image denoising:** Worked on image restoration of globular clusters using convolutional neural networks.
- **Research:** Proposed novel adaptive learning rate scheme for deep neural networks.

PROJECTS

Reddit Timer Apr. 2021 – Present
React, Styled Components, Sass *GitHub*

Website to help marketing teams time posts on Reddit for maximum attention.

SendToFuture Apr. 2021 – May 2021
iOS, Swift *GitHub*

iOS app to "snooze" links for a few hours.

Threaded Discussions Website Feb. 2021 – Present
MongoDB, Node.js, React *GitHub*

Companion website for video calls that allows for Reddit-style, threaded discussions.

NearConnect Nov. 2020 – Mar. 2021
iOS, Swift *GitHub :: App Store*

iOS app to connect with people nearby using multicast peer-to-peer connections.

JournalBear Jun. 2017 – Feb. 2019
JavaScript, Electron *GitHub :: Softpedia*

Cross-platform journal application with AES-256 encryption. Rated 4/5 by Softpedia.

Results Scraper Mar. 2018 – Aug. 2018
MongoDB, Express, React, Node.js *GitHub*

Website for scraping university examination results and displaying charts and printable reports, with caching using a database.

Video Sharing Website Oct. 2017 – Dec. 2017
MySQL, Express, React, Node.js, Sass, Elasticsearch *GitHub*

Simplified implementation of a video-sharing website with subscriptions and custom searching.

Xtreme Calculations Apr. 2013 – Oct. 2017
VB.NET, Python *Softpedia*

Windows math software to solve scientific and mathematical problems, with over 30,000 downloads over multiple sites.

Video Indexer   Jun. 2017 – Sep. 2017

C++, Qt, CMUSphinx   *GitHub*

Cross-platform desktop application to detect the time(s) a given keyword was spoken in a given video.

Web development projects   Jan. 2017 – Nov. 2017

MongoDB, Express, React, Node.js, D3, Sass   *GitHub*

Projects include URL shortener, rogue-like dungeon crawler game, voting application, Simon game, land surface temperature heatmap, and mapping meteorite impacts across the globe.

SKILLS

Languages: Python, JavaScript, C++, Swift, VB.NET

Frameworks: Flask, Keras, PyTorch, Node.js, React

Databases: SQL, MongoDB