

Keerthan S. Ekbote

SOFTWARE DEVELOPMENT · COMPUTER SCIENCE · MATHEMATICS

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Education

University of Massachusetts Amherst, Honors College

Amherst, MA

B.S. IN COMPUTER SCIENCE AND DOUBLE MAJOR MATHEMATICS GPA: 3.98

Sept. 2017 - PRESENT

- Course Citation in Data Structures, Chancellor's Award, Dean's List
- *Relevant Coursework:* Data Structures, Algorithms, Discrete Mathematics, Programming Methodologies, Linear Algebra, Calculus I & II, Statistics I, Computer Systems

Skills

Programming Python, Java, C, C++, Javascript

Web AngularJS, ExpressJS, Node, React Native & ReactJS, HTML5, CSS

Technologies & Frameworks Git, OpenCV, \LaTeX , SQL, GraphQL

Experience

Modeling & Simulations Intern

Marlborough, MA

RAYTHEON | JAVA, R

May 2019 - Aug. 2019

- Developed a high-fidelity Java-based simulation for modeling RADAR and performance analysis
- Security Clearance: Interim Secret

UX/UI Designer and Backend Integration

Carnegie Mellon University, PA

NETSCALE, LLC | JAVASCRIPT, PYTHON, REACT

Jan. 2019 - Present

- Worked alongside a team of 8 developers using ReactJS, Django, GraphQL stack to develop a social media product for college students seeking to grow their professional connections
- Created modular components to be used site-wide, including Jest testing for all components, to provide a smooth experience for 500+ users already registered on the platform

ITSM Web Developer - ServiceNow

Amherst, MA

UMASS AMHERST INFORMATION TECHNOLOGY | JAVASCRIPT, HTML, CSS

Dec. 2018 - Present

- Used Javascript, HTML, CSS to develop intuitive and user-friendly catalog items that would be accessed by over 30,000 UMass Students and Faculty
- Developed a method for linking incident records to each other, increasing record-to-record communication by 30% in the span of one semester.

IT Technical Consultant

Amherst, MA

UMASS AMHERST INFORMATION TECHNOLOGY | BASH, LINUX CLI, GSMART

Dec. 2017 - Dec. 2018

- Communicated with clients to diagnose software issues on personal machines. Using SHELL commands, Linux GSmart tools, Apple Service Toolkit to troubleshoot issues. Educate clients on how to fix common issues on their machines

Projects

SAI Annual Retreat Registration System

MEAN STACK (ANGULAR FRONT-END, NODEJS, EXPRESSJS, MONGODB BACKEND)

Jun - Aug 2018

- Created a webapp-style registration system using an Express, Nodejs backend and an Angular front end. Challenges included learning full stack development, and integrating the backend/database to the webapp.

Atten.tech

HackDartmouth V

JAVASCRIPT, PYTHON (FLASK)

April 2019

- Created a product that tracks eye movement through the webcam to assess the reader's attentiveness while reading a document
- Generated Haar Cascade models for a portable and fast solution to track eye movement through Computer vision
- Integrated multiple APIs into the product to generate the results in the form of a HeatMap, created through matplotlib

Leafly Scraper

PYTHON

January 2019

- Utilized url-requests library to web-crawl over 2,000,000 reviews for various products on Leafly.com
- Expedited web-crawling process up to 6.5x by taking advantage of Python's multiprocessing to run concurrent scraping processes on multiple CPU threads

Extracurricular Activity

UMass Dynamics A Cappella - ASSISTANT MUSICAL DIRECTOR & ARRANGER

Indian Classical Arts Society - MUSICAL DIRECTOR