

MAYURESH KHENDKAR

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EDUCATION

Khoury College of Computer Sciences, Northeastern University, Boston, Massachusetts, USA Sept 2018 - Present
Master of Science in computer sciences (Current GPA: 3.84)
Relevant Coursework: Programming Design Paradigm, Algorithms, Computer Systems, Web Development, Foundation of Artificial Intelligence, Machine Learning

K J Somaiya College of Engineering, Mumbai, India Aug 2012 - May 2016
Secured Bachelor of Engineering in Computer Engineering with Distinction (CGPI: 8.17/10)
Relevant Coursework: Structured Programming Approach, Object Oriented Programming and Analyst, Data Structures, Analysis of Algorithms, System Programming and Compiler Construction, Software Engineering

SOFTWARE SKILLS

Programming Languages: C, C++, Java, Python, JavaScript, PHP, SQL
Web Technologies: HTML, CSS, Bootstrap, REST, Node.js, React, Redux, AngularJS, Dash, Spring boot
Development Software: Android Studio, Visual Studio, MATLAB, Vector CANalyzer, QNX

WORK EXPERIENCE

IDEXX Laboratories, Westbrook, Maine, USA July 2019 – Present
Software Engineering Co-op
IDEXX Laboratories, Inc. is a Healthcare diagnostic company engaged in the development and manufacture of products and services for the companion animal veterinary, livestock and poultry, water testing, and dairy markets.

- Contributed Software Engineering expertise in the development of Linux Kernel drivers for Hematology Analyzer device
- Improved functionality of a device specific Python based programming language
- Designed and Implemented Python based API client for Data Science platform to store, retrieve and manipulate various types of Medical data

Harman International (India) Pvt. Ltd., Pune, India Aug 2016 – July 2018
Associate Software Engineer
Harman International is a global provider of Premium Audio and Infotainment solutions owned by Samsung Electronics.

- Devised End-to-end Vehicle Data Transfer libraries to send Vehicle CAN Data over Bluetooth and USB channels
- Implemented Smart-Link and HMI Settings modules of TATA NEXON's Vehicular Infotainment System
- Developed Java based library facilitating communication between the Vehicle Infotainment systems and Mobile devices.
- Built android application for TATA Motors called 'Smart Remote' that has over 50000 downloads on Google Play store
- Fixed bugs in the existing Navigation module and implemented enhancements that significantly improved performance

The Great Brown Think Tank, Mumbai, India June 2015 – July 2015
Intern
The Great Brown Think Tank is one of the leading IT solutions providers in Web and Mobile Application development domain.

- Interned on frontend development of several live web projects using HTML, CSS3, Bootstrap, PHP and JavaScript
- Overhauled and reimplemented the obsolete website design, resulting in a 150% increase in website traffic

ACADEMIC PROJECTS

SmartLens (Implementation of OCR Based on Template matching and integrating it in Android Application)
SmartLens is an Android application based on Optical Character Recognition (OCR) for detection and translation of handwritten and typed text from an image

- Drove implementation task of various components of Image Processing such as De-skewing, noise reduction, Gray-scaling, Binarization, Segmentation, Connected Component Labeling
- Developed an Optical Character Recognition Library based on template matching technique and integrated it in an android application to recognize and translate text from an image
- Published a technical research paper on Optical Character Recognition in the International Journal of Computational Sciences and Engineering (ISSN 2347-2693 Volume 4, Issue 02, 2016)

Design and Development of Record-Space Website using Angular framework

- Designed and developed dynamic interactive user-friendly music website based on MEAN stack for music sharing
- Integrated YouTube and Last.fm web services to fetch artists, music and concert related data

Stock Exchange application using MVC framework

- Implemented spring boot Trading and Stock exchange application using Model View Controller framework utilizing Alpha vantage API for real-time and historical stock data