

MAYURESH KHENDKAR

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EDUCATION

Khoury College of Computer Sciences, Northeastern University, Boston, Massachusetts, USA Sept 2018 – June 2020
Master of Science in computer sciences (Current GPA: 3.86)

Relevant Coursework: Programming Design Paradigm, Algorithms, Computer Systems, Web Development, Artificial Intelligence, Machine Learning, Natural Language Processing, Principles of Programming Languages

Teaching Assistantship: CS 3560 Computer Systems (Spring 2020)
CS 4550 Web Development (Summer 2020)

K J Somaiya College of Engineering, Mumbai, India Aug 2012 - May 2016
Secured Bachelor of Engineering in Computer Engineering with Distinction (GPA: 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, Golang, JavaScript, PHP, MySQL
Web Technologies: HTML, CSS, Bootstrap, REST, Node.js, React JS, Redux, Angular JS, Dash, Spring boot, Flask
Development Software: Android Studio, Visual Studio, MATLAB, Vector CANalyzer, QNX

WORK EXPERIENCE

Amazon Robotics LLC, Boston, Massachusetts, USA July 2020 – Present
Software Engineer, Systems and Software Support

- Analyzed and resolved critical issues in the Universal Product Sorting module of Amazon Robotics FC system

IDEXX Laboratories, Westbrook, Maine, USA July 2019 – Dec 2019
Software Engineering Co-op

- Contributed Software Engineering expertise in the development of Linux Kernel drivers for Hematology Analyzer device
- Introduced methodologies and software practices to improve functionality and performance of device specific Python based programming language
- Designed and Implemented Python based client for Data Science platform to store, retrieve and manipulate Medical data
- Developed dynamic and interactive Angular based website to effectively visualize and process the medical data

Harman International (India) Pvt. Ltd., Pune, India Aug 2016 – July 2018
Associate Software Engineer (Infotainment Domain)

- Devised End-to-end Vehicle Data Transfer libraries written in C++ to send Vehicle CAN data on Bluetooth and USB channels
- Implemented C++ based 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 features that significantly improved performance

The Great Brown Think Tank, Mumbai, India June 2015 – July 2015
Intern

- Worked on frontend development of several live web projects using HTML, CSS3, Bootstrap, PHP and JavaScript
- Developed a dynamic React based single page website for a reputed fashion domain client
- Overhauled and reimplemented the obsolete website design of company website, resulting in a 150% increase in 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 IJCSSE (ISSN 2347-2693 V4, Issue 02, 2016)

Record-Space (Designed and Development of 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, albums, music and concert related data

Stock Exchange Application (Stock Market Simulation Application using Spring boot and Alpha Vantage API)

- Implemented a trading and stock exchange simulation application in Spring boot application using MVC framework
- Built user-friendly responsive graphic user interface for the application using Java applet programming