

TWISHA PUROHIT

90 Gershom Av, Lowell, MA 01854 | (617) 987-7187 | www.linkedin.com/in/twisha-purohit | twishapurohit@gmail.com

Education:

M.S. in Computer Science

May 2019

University of Massachusetts Lowell, Lowell, Massachusetts (**GPA-3.52**)

Concentration: Machine Learning, Internet and Web Systems, Topics in Data Sciences, Human Computer interaction, Computer Network Security, Computer Graphics, Operating Systems, Algorithms, Database

Bachelor of Engineering in Computer Science and Engineering

May 2017

Gujarat Technological University, India (**GPA-3.6**)

Concentration: Database Management System, Data Structures, Analysis and design of Algorithm, Cyber Security, System Programming, Theory of Computation, Software engineering, Distributed Operating System, Information and Network Security, Artificial Intelligence, Compiler Design, Data Mining and Business Intelligence, Mobile Computing and Wireless Communication

Skills:

Programming Languages:	C, C++, JAVA, Python, PHP, Linux Shell Scripting
Web Technology:	HTML, CSS, JavaScript, XML, Three.js, D3.js, Bootstrap, jQuery, Web-Gl
Database/Cloud:	Oracle, MS Access, MySQL, Git, Azure, Firebase

Projects:

Detection of Excretory System Diseases using Machine Learning techniques

Fall 2018

- Buidling an application which would do presumptive diagnosis of two of the common diseases of excretory system by using logistic regression and neural networks

A web based portal for Book/Novel rating and recommendation system

Fall 2018

- Working on to build a web app to rate books and write reviews along with recommending the user with novels which might interest him.

Online Intrusion Alert Aggregation with Generative Data Stream Modelling

Spring 2018

- Implemented a JAVA based application where the goal was to gather different alerts produced by intrusion detection systems and grouping them to a specific attack instance. Developed a Server -Client Model using JAVA RMI, JDBC and Swing

Virtual Solar System in Computer Graphics

Spring 2018

- Developed 3D, interactive web-based Solar System where each planet would rotate around the sun and revolve on its own axis. Used bump and texture mapping along with JavaScript, HTML, CSS, Web-Gl, three.js, canvas

Course Review System

Spring 2018

- Designed a platform where current and past students can review the courses, rate the difficulty and thus give future students an understanding of that course. Developed the front end and assisted with backend using MEAN stack, git, HTML, CSS, Bootstrap and performed unit testing

Producer-Consumer problem

Fall 2017

- Implemented the classic producer - consumer problem of 4 products on distributed network based on Lamport's algorithm using distributed file system and socket programming

An Android app for renting car

Spring 2017

- Partnered with a company in a team of four to create an App that enabled user to book cars. Programmed in Android, XML and JAVA using Android Studio and used firebase for database
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Work Experience:

Testing Centre Assistant

February 2018 – Present

University of Massachusetts, Lowell

- Scheduling and managing tests for students, including those with disability allowances by setting up secure online portal where the students can give exams. Responsible for solving authentication and technical issues

Android App Developer - Intern

May 2016 – December 2016

Pace Softronix Pvt. Ltd., India

- Assisted in developing an Android app in a team of 4 that helped hospitals to keep a check on the patients' needs which could be used by both the patients and the doctors. Worked on Software automation tools