

TANVI MUTHA

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EDUCATION

Northeastern University

Master of Science: Informatics (Analytics), GPA: 3.79

June 2021

Probability & Statistics-Usability & Human Interaction-IT Strategy & Governance-IT Project Management

Maharashtra Institute of Technology College of Engineering

Bachelor of Engineering: Computer Science

June 2017

TECHNICAL SKILLS

Programming Languages: R, Python, R shiny, HTML, CSS, JavaScript, SQL, Java, Angular Js

Applications: Excel, PowerBI, Tableau, Jupyter, NetBeans, Eclipse, Adobe, Google Analytics (Beginner)

Operating System: Windows, UNIX, Linux, MAC OS.

PROFESSIONAL EXPERIENCE

Aspire Software Web

Pune, India

Trainee Engineer/Application Programmer

(October 2017 – November 2018)

- ❖ Experience in object-oriented programming; developing, testing and debugging code; designing interfaces; and administering systems and networks.
- ❖ Designed and developed web and mobile application using HTML, CSS, JavaScript and PHP for Private Business
- ❖ Experience designing database tables and make entries and performed SQL command to test the integrity of the project.
- ❖ Developed a User-Interface Application that implemented details to store and retrieve information related to Work Order for every user
- ❖ Worked on Database Created reports in Excel with pivot tables.

IoCare

Pune, India

Software Developer Intern

(August 2016-March 2017)

Developed a Home automation system using Raspberry Pi and Designed a mobile application using Ionic Framework which can control appliances and perform switching on/off, dimming the light and storing the operations in Real time.

Languages used: HTML, CSS, AngularJS, NodeJS, SQL

ACADEMIC PROJECTS

- ❖ Worked on SF Salaries dataset to analyze and process the dataset by using advanced query, visualization and analytics tools. The python libraries used are NumPy, Pandas, Seaborn etc.
- ❖ Analyzed Emergency 911 calls, Montgomery County, PA dataset to transform raw data into meaningful data of the crimes committed area, timestamp and reasons.
- ❖ Analyzed a survey taken by students regarding their technical skills by using psych, correlation function and performed T-test on the dataset using R programming
- ❖ Developed a project using Hypothesis Testing, Regression analysis and K means on Black Friday Dataset using R programming
- ❖ Performed Audit Analysis and created visually impactful dashboard and report in Excel by using Pivot tables
- ❖ Created a prototype for Language learning App with four features like Social feature which helps connect with native people to learn the language, Gaming section where one level has 4 games that helps learner to be proficient at language learning
- ❖ BE Project – “Home Lighting and Appliance Control System using Internet of Things (IoT)”, a hybrid mobile application using android, Sponsored by IO Care Pvt. Ltd., Pune
- ❖ Worked on Mini Project – “Grocery Database System” that aimed and was useful tool for manager to keep the track of the store products by developing a website application using C++ and SQL

PAPER PUBLICATION

Published a Technical Paper on ‘Home Lighting and Appliance Control System using Internet of Things’ in International Journal of Innovative Research in Computer and Communication Engineering, Vol. 5, Issue 2, February 2017.