Vaibhav Barot

Buffalo, New York | (716) 306-9279 | vbarot@buffalo.edu | linkedin.com/in/vaibhav-barot-808ba917a

Education

M.S. DATA SCIENCE | UNIVERSITY AT BUFFALO   AUG. 2021 – JUNE 2023
- **GPA**: 3.83/4.0
- **Coursework:** Data-Driven Analysis, RDBMS, Numerical Analysis, Probability and Data Analysis, Statistical Data Mining, Machine Learning

B.S. COMPUTER SCIENCE | VEER NARMAD SOUTH GUJARAT UNIVERSITY   JUNE 2020
- **GPA**: 9.18/10, **Honors**: Dean's List, **University Rank**: 1, **Scholarship**: ₹ 6,000
- **Coursework**: Python, Java, Software Engineering, PHP, Mobile Programming, DBMS, Cloud Computing, Software Testing Automation

Relevant Experience

GRADUATE STUDENT ASSISTANT | UNIVERSITY AT BUFFALO – NEW YORK, U.S.A.   MAR. 2022 – PRESENT
- Updating selected databases & computer inventory in collaboration with the School of Pharmaceutical Sciences, University at Buffalo
- Optimizing & maintaining websites for New York Department of Health initiatives
- Preparing, modifying & testing web applications, database projects, open-source code & document website
- Developing data analysis reports, operating customer relational software, video teleconferencing & record keeping software programs

FREELANCE: SEARCH ENGINE EVALUATOR | APPEN BUTLER HILL PVT LTD - CHATSWOOD, AUSTRALIA   SEPT. 2019 – MAY 2021
- Performed in-depth competitor reviews to check competitor activities with ad placement, keyword use, placement bids and landing pages
- Completed work according to project schedules and high-quality standards
- Managed 100% of operations online as an independent contractor, which required daily rating and evaluation tasks

DATA SCIENCE INTERN | SPONTANEOUS ENTERPRISE OPC PVT LTD - GUJARAT, INDIA   AUG. 2018 – JAN. 2019
- Developed data visualization graphics, translating complex data sets into comprehensive visual representations
- Translated benefits of machine learning technology for non-technical audiences, including cost/benefit analysis
- Collaborated with senior personnel to define and meet data modelling standards for deep-dive projects

SOFTWARE DEVELOPMENT INTERN | MICROSYS SOFTTECH - GUJARAT, INDIA   MAR. 2018 – JULY 2018
- Partnered with company mentor to learn best practices in software design
- Improved interactive websites with the software development department using Visual Studio and ASP.NET framework
- Collaborated with other developers to identify and alleviate several bugs and errors in the software

Skills

- **Languages**: Python, R, XCode, Java, PHP, C, C++, C#, VB.Net, SQL, HTML, CSS, JavaScript
- **Database**: Oracle, MySQL, MongoDB, MS Access, Firebase
- **IDE's/ OS**: Visual Studio, Android Studio, Windows, Linux, Mac
- **Soft Skills**: Stress Tolerance, Critical Thinking, Strategic Planning, Creative Thinking, Collaboration, Time Management, Problem Solving

Project Work

WELLNESS CLINIC (SQL, RDBMS)   AUG. 2021 – DEC. 2021
- Defined a wellness clinic facility that provides medical care in rural areas of the country
- Prepared entire database, containing all the data elements & 10 business reports as a part of the new company initiative
- Solved all the ad-hoc queries that the business could have in the future

DIABETES DETECTION/ PREDICTION (PYTHON)   AUG. 2021 – OCT. 2021
- Developed a project using Machine Learning approach to detect whether the patient has diabetes
- Performed Data Cleaning, Data Visualization & applied Cross Validation
- Obtained 98% accuracy using ML algorithms such as Decision trees, Neural Network, KNN, SVM, Linear & Logistic Regression

PARK 365 (PHP, C#, BOOTSTRAP, JQUERY, HTML5, JAVASCRIPT, CSS)   JAN. 2020 - JUNE 2020
- Proposed a smart parking booking system that provides customers with an easy way of reserving a parking space online
- Played the role of a player, developer, tester, leader all at once
- Implemented the application in ASP.NET framework with over 25 modules

AUTO TIME-TABLE (PYTHON)   AUG. 2019 – DEC. 2019
- Introduced an automated timetable generator, a web-based application
- Implemented using python and generic algorithms, which automatically schedules timetables for both students and faculties

SHOPPING BARCODE SCANNER (JAVA, ANDROID STUDIO)   JAN. 2019 – JUNE 2019
- Designed an automated Scanner that scans the product's barcode and adds the price during checkout
- Designed and normalized extensive datasets that contained all the information regarding products and their pricing

ATTENDANCE TRACKER (JAVA, GOOGLE SHEETS API, HTML5, CSS, JAVASCRIPT)   NOV. 2018 – JAN. 2019
- Prepared a web app using Google Sheets API that allows users to register their attendance and keep track of it in a spreadsheet

Certifications

AWS Machine Learning: Amazon Web Services | Credential ID: 6KJU5V7ZG6WT

Industrial IoT on Google Cloud Platform: Google Cloud | Credential ID: EQ4KDK6MU28C

Google Analytics: Individual: Google | Credential ID: 49942514

PHP Full Stack Web Developer: Udemy | Credential ID: UC-76ba5764-c411-4809-9d06-15e427b02539