

BHARGAVI RAO

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EDUCATION

Northeastern University	Boston, Massachusetts
Master of Science	Expected May 2023
<ul style="list-style-type: none">Relevant Courses: Application and Engineering Development, Database Management and Design, Web design and User Experience, Web development tools and Methods	
Savitribai Phule Pune University	Pune, India
Bachelor of Engineering - Information Technology	May 2018
<ul style="list-style-type: none">Problem Solving with Object-Oriented Programming, Data structures and Files, Operating Systems, Software Modeling and Design, System Programming	

WORK EXPERIENCE

TRIPSTACK, PUNE	Pune, India
<i>Software Developer</i>	June 2018 - May 2021
<ul style="list-style-type: none">Designed a new approach from traditional JSON to airline APIs in a micro-service architecture to integrate with low-cost carriers (LCC) and compare best prices for customersConstructed modules using C# .Net to Search, Display and Book flights in an consolidated infrastructureIntegrated New Distribution Capability (NDC) APIs from airlines resulting in a decrease of search response time from 19 seconds to 2 secondsToiled as a Subject Matter Expert on Price Change Project to provide accurate flight fares and increase content aggregation capabilities upto 97%Developed unique ancillary products in Baggage and Seat Selection for customers in turn improve organizational sales by 57%Incorporated a typescript project using Elastic Search to message queue of different requests at backend to store response dataImproved caching speed of searches by utilizing maximum capacity of CMO (Cash Me Outside) resulting 22% increase in customer trafficLed a team of 5 for integration of Baggage at Search ancillaries to streamline new product from POC, design, risk grades to final evaluation; acted as main technical point of contact for developer teamExecuted custom scripts in jmeter tool for load testing backend API's	

SKILLS

<ul style="list-style-type: none"><i>PROGRAMMING LANGUAGES:</i> Java, C# .Net, Python, SQL, NodeJS(Introductory), R Programming, C++, C<i>WEB TECHNOLOGIES:</i> HTML5, CSS3, Typescript, JavaScript, Bootstrap, JQuery, PHP, Servlets<i>DATABASES:</i> MongoDB, Couchbase, MySQL, Oracle 10g, DB4O<i>SOFTWARE TOOLS:</i> Jira, Azure Studio, Grafana, Kibana, Git Bash, Postman, NetBeans, Visual Studio 2017, VS Code, Eclipse	
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PROJECTS

HEALTHCARE MANAGEMENT SYSTEM	Boston, Massachusetts
<i>Northeastern University</i>	October 2021 - December 2021
<ul style="list-style-type: none">Developed scalable MVC architecture using Ecosystem model for managing inventory of medical servicesBuilt a Java Swing project to exhibit and maintain records of patients with different enterprises and organizations of pharmacy, blood bank, and insuranceImplemented advanced features such as automated Email service, Google Map for location, and SMS notification to ramp up system in organized way	

IOT BASED ENERGY EFFICIENT DYNAMIC STREET LIGHTING SYSTEM	Pune, Indi
<i>Savitribai Phule Pune University</i>	January 2018 - July 2018
<ul style="list-style-type: none">Constructed a Dynamic Street Lighting System (DSLS) using Wireless sensor networks (WSN) leading to an increase in energy savings of about 60%Introduced algorithms to calculate energy efficiency using simulation of dataLed by, it is a part of the IEEE publication and various International conference	

SENTIMENT ANALYSIS OF TWITTER REACTION	Pune, India
<i>Savitribai Phule Pune University</i>	July 2016 - December 2016
<ul style="list-style-type: none">Implemented python libraries Textblob to perform Natural Language Processing(NLP) operationsInterpreted and analysed data using Pandas, numPy, Matplotlib and SeabornRetrieved 3000 different tweets about dynamic topics based on annotation, time and region leveraging Python API for twitter 'Tweepy'Extended project for analyzing Facebook reactions on different posts to verify positive, neutral and negative reactions on social platform	

RESEARCH PUBLICATION	Coimbatore, India
<i>IoT based Energy Efficient Dynamic Street Lighting System (DOI: 10.1109/ICECA.2018.8474751)</i>	November 2017 - March 2018
<ul style="list-style-type: none">Published paper on IOT based Energy Efficient Dynamic Street Lighting System in the IEEE International Conference on Electronics, Communication and Aerospace held at Coimbatore, India in March 2018Pioneered under other international conferences of ICTIS and ICRTES in 2018Selected for national-level event called WCE-HACAKATHON'18 held at Sangli, Maharashtra	