Venkata Namburi

nambari.bharatn@gmail.com | +1 (862) 215 8249

EDUCATION

NEW JERSEY INSTITUTE OF TECHNOLOGY
M.S in Computer Science
Jan 2018 - Dec 2019 | Newark, NJ

BMS COLLEGE OF ENGINEERING
B.Eng in Computer Science
Aug 2013 - May 2017 |INDIA

LINKS

Github: bharatvarmagit
LinkedIn: in/nvbv
Portfolio: Portfolio.io

SKILLS

PROGRAMING LANGAUGES

• core java 8 • javascript
• python • typescript
• multi threading
• asynchronous programming

FRONT END

• html 5 • css 3 • bootstrap 4
• javascript ecma 6 • promises
• jquery • ajax • angular 7+

BACK END

• java spring • servlets • jsp
• data jpa • jdbc • hibernate
• oauth 2 • spring mvc • jwt
• rest api • spring boot • git
• sqlalchemy • flask • node.js
• mongoDB • Multi-threading
• asynchronous Programming
• spring Security • jstl

DATABASES

• aws- s3, rds • mysql •sqlite
• postgres • h2 • mongodb

FAMILIAR WITH

• aws - ec2, elastic beanstalk
• agile • docker • jira • jenkins
• junit • mockito

PROFILE

• Familiar with complete Software Development Life Cycle
• Experience in designing Rest API using Java Spring Boot,Spring MVC, Data JPA, Security.
• Experience in using Angular UI Framework to develop highly scalable and secure Single page Apps with Authentication and Authorization (JWT, Oauth)
• Experience in RDBMS and NRDMS and ORM's (Hibernate, SQLAlchemy)
• Good understanding of Devops process (Jira, Jenkins for Continuous Integration and Continuous Delivery)
• Good understanding of Network Protocols and Sockets

PROJECTS

TERRAGON | Member of Lean Startup Pitch Team
Feb 2019 – May 2019 | Newark, NJ

• Our team won Grant from NSF I-CORPS based on our "Lean Business" model Canvas pitch which was a part of our Lean Startup course
• Led Customer Discovery and Idea Validation process to test and validate Problem and Solution with around 100 Customers by the End of the Course
• Developed SPA using Angular Forms, Spring Boot, Hibernate, Oauth Technologies Used: Angular 8, Bootstrap4, jQuery, Spring Data JPA , Spring Rest Repositories, MySQL, Spring Security

E-COMMERCE BOOK STORE
Apr 2020 – Present | Newark, NJ

• Developed a Single Page E-commerce Web Application for Books using Spring boot for Back-end and Angular 8 for Front-end
• Used Spring Web framework to create RESTFUL API gateways that interacts with MySQL database using Spring Boot Web, Spring DATA JPA, Spring Rest Repositories and Spring MVC .
• Used Bootstrap 4 and angular 8 for UI design to render data from API gateways and perform CRUD operations on the Database using Spring boot JPA ORM and Git for Version Control
Technologies Used: Eclipse, VS code, Java 8, Angular 8, Spring boot Web framework, Bootstrap 4, Hmtl5, CSS3, Git
Source Code: Book-Store

SOCIAL MEDIA RECOMMENDATION ENGINE
Nov 2019 - Dec 2019 | Newark, NJ

• Finds all Strongly and weakly Connected Components , Isolated Nodes, top 100 Influencers from a Directed and Undirected social media graph data .
• Includes Recommendation Engine that determines the number of paths/walks possible between two Persons
Technologies Used : Python, jupyter notebook, DFS Algorithm, Kosaraju algorithm
Datasets Used: Stanford large social network data sets
Source Code: Social Recommendation Engine

COURSEWORK

GRADUATE
Software Prod. Methodologies
Advanced Algorithm Design
Data Analytics With R lang
Advanced Database Design
Cloud Computing
Internet and High Level Protocols
Data Mining
Object oriented Programming
Cryptography and Security
Lean Startup

UNDERGRADUATE
Intro to Data Strutures
Analysis of Algorithms
Computer Architecture
Logic Design
System Software
Machine Learning
Artificial Intelligence
Computer Networks
Java Programming
Programming in C
Programming in C++
C# AND ASP.NET
Web Development
System Testing
Advance Database Design
Unix Programming
Data Communications

LANGUAGES
English
Telugu
Hindi

PROJECTS (CONTINUATION)

COLLEGE DATABASE   Oct 2018 – Dec 2018 | Newark, NJ
- Designed and Developed the relational database management systems (RDBMS) schema and constraints, drawn Entity Diagram
- creating DDL commands, DML commands and TCL
- Integrated SQL database constraints such as Referential integrity, Null, default, check and Unique
- Developed SQL, PL/SQL with Stored Procedures to interact with Persistent database using MySQL.
  Technologies Used: MySQL, MySQL Workbench

HOME AUTOMATION USING RASPBERRY PI | Team Moderator
Sept 2018 – Dec 2018 | Newark, NJ

- Collaborated with 2 electronics students and Created Home Automation System that is easy to set up and maintain using E-mail Protocols to control various Appliances with Raspberry pi Micro Controller
- Created a Flask-Twilio API Web Server using Python to send instructions and receive acknowledgements from Raspberry pi Server via Cellular messages and E-mails.
  Technologies Used: Python, Flask, ngrok, Flask-Twilio API, Ubuntu
  Source Code: Home Automation

JOURNAL WEB SCRAPING   Nov 2019 – Dec 2019 | Newark, NJ
- Retrieves all articles present in the journal and downloads it as a file with following columns: Article Name, Authors, Content Type, Abstract, DOI, Link, Full Paper from the following journal Genomebiology.biomedcentral.com
  Technologies Used: R Lang , Rvest (R library for scraping Web Data)
  Source Code: Web Scraper

MARKET BASKET ANALYSIS
Oct 2019 – Nov 2019 | Newark, NJ

- Determine buying habits of customers using Apriori Algorithm Knowledge analysis in Python which is a type of frequent item-set mining by finding Associations between different items when given a set of transaction data
  Technologies Used: Python, Apriori Algorithm (Data Mining)
  Source Code: Analyse Buying Habits