MAITHREYI MANUR NARASIMHA PRABHU

| maithreyi.prabhu95@gmail.com | +1-678-6291600 | 3230 John Hinckle Place, Bloomington, Indiana 47408 |
| https://www.linkedin.com/in/maithreyi-m-508325100/ | https://github.com/MaithreyiPrabhu |

EXPERIENCE

Software Engineer intern, MiRus *Jun 2020 – Dec 2020*

- Built software on the MiRus Analytics platform intended to be used by over 10k surgeons for analysis of surgical outcomes and post-surgical patient activities.
- Responsibilities include streamlining of data from activity bands and other body sensors, display data graphically for surgeons usage and management of patient data for physician's use.
- Developed a dynamic questionnaire and response generator for surgeons and patients based on the standards provided by FHIR.
- Built a scheduler to extract data from activity bands at a particular interval.
- Technologies: Java, Spring boot, AWS, Vue js, PostgreSQL, Docker, Jenkins, Git, JIRA

Associate Instructor, Indiana University Bloomington *Jan 2020 - May 2020*

- Assisted for class Information Infrastructure Python Language, databases and XML under Professor J Duncan with class size of 200.

Product Developer, Comviva Technologies *Aug 2017 - Apr 2019*

- Worked in core backend R&D team for Mobiquity financials software development.
- Implemented Restful web services using spring boot for integrating Mobiquity wallet and Financial System.
- Designed, built and managed the ELK (ElasticSearch, Logstash, Kibana) cluster for centralized logging and search functionalities for the application
- Technologies: Java, Spring boot, AWS, PostgreSQL, Jenkins, Git, JIRA, Ansible, ELK
- Designed and developed ansible scripts for deployment of al microservices.

PROJECTS

YumDrop Food delivery application *Aug 2019 – Dec 2019*

- Built a clean, easy to use interface for end-users as well as restaurant owners and delivery agents with features such as checking order status, live tracking of delivery agent and scheduling food.
- Technologies: ReactJs, Java, Spring boot, Postgres, JIRA, Restful API, Heroku

Object detection and shortest path of street view images for measuring school district safety *Jan 2020 – May 2020*

- Formulated a walk ability safety score around the elementary schools to determine what neighborhood can access the schools via foot
- Developed a framework using Google and Bing Maps API around the local schools and detected sidewalks, crosswalks, and stop signs using state of the art Computer Vision techniques, combine it with the traffic data to formulate the safety score

Artificial Intelligence *Aug 2019 – Dec 2019*

- Game IJK: Built a two player sliding tile game played on a 6x6 using Minmax with alpha beta pruning and ExpectiMinMax
- Code Breaking: Built Metropolis-Hastings algorithm which is used decode a secret message that is encrypted using replacement technique where each letter of the alphabet is replaced with another letter of the alphabet and Rearrangement technique where the order.

EDUCATION

Master of Science, Computer Science *Aug 2019 - Present*
Indiana University Bloomington **GPA: 3.7**
Coursework: Applied Algorithms, Elements of Artificial Intelligence, Software Engineering, Computer vision, Operating Systems

Bachelor of Engineering, Computer Science *Aug 2013 - Jul 2017*
PESIT **GPA: 3.5**
Coursework: Data Structures, Design and Analysis of Algorithms, Object Oriented Analysis and Design (OOPS), Operating Systems

SKILLS

Languages: Java, C, python
Web Frameworks: HTML, VueJs, Springboot, Microservices, RestFul Api, ReactJS
Tools / Software: Eclipse, Spring Tool Suite, Apache Tomcat, Microsoft Visual Studio, Ansible, Jenkins, Elasticsearch, Logstash, Kibana, Git, JIRA, Intellj
Database : Postgres