

Ramya Rajendra

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SUMMARY- Dedicated and passionate student currently pursuing masters in Computer Science. Working as a full-stack web developer, machine learning enthusiast, and an inquisitive problem solver. Seeking to work in a challenging environment which will help explore my potential in an effective way. Ability to multi-task and stay organized. Excellent communication and planning skills.

EDUCATION

- **Master of Science (Computer Science) GPA 3.67** Aug 2019 - May 2021
Illinois Institute of Technology, Chicago, USA
(Courses-Online Social Network Analysis, Advanced database Organization, Mobile Application Development , BigData Technologies, Computer Networks , Machine Learning, Design & Analysis of Algorithms, Data Mining)
- **Bachelor of Engineering (Computer Science),GPA 3.8** Aug 2014 – May 2018
Visvesvaraya Technological University, Belgaum, India

EXPERIENCE

1. **Software Developer Intern, QNOPY INC , USA** Sep 2020-Dec 2020
Web Development
 - Involved in developing responsive web components with React ,Redux, Material UI
 - Also engaged in developing RESTful APIs
2. **Software Developer , ManufactOn , India** Jul 2018-May 2019
Full Stack web development /mobile application development
 - Contributed towards designing and developing web application using vue.js, node.js, bootstrap/buefy
 - Actively involved in refactoring and modifying code for android app development
3. **Software Developer Intern, GE Digital, India** Oct 2017-Jan 2018
Web design and development
 - Closely involved in designing & developing web application using HTML5,CSS6, Javascript
 - Contributed towards maintaining and modifying database using mongodb
4. **Research Intern, Indian Institute of Science, India** Jan 2019-Apr 2019
Pattern Recognition and Machine learning
 - Involved in optimizing and implementing pattern recognition techniques on machine learning models to analyze and predict data. Assisted in paper work on improvised Clustering techniques of k-means algorithm

TECHNICAL SKILLS

Programming Languages | Databases: JAVA, Python , javascript, C , C++, C#, MySQL, NoSQL, MongoDB

Web Technology: ReactJS, Vue.js , Node.js , Django, ExpressJS, Bootstrap,Material-UI, AWS, AngularJS, CSS, HTML5 , JQuery, React Native

Other: Git, Jira, Zeplin, Swagger, CircleCI

PROJECTS

ShopOn(Hosted at: <https://shoponapp.herokuapp.com/>)

- An actual replication of a real-world E-commerce platform
- Implemented user authentication with JSON Web Token for login/register functionalities.
- Developed fully featured shopping cart with PayPal & credit/debit payments, Admin functionality for user, product & order management
- Added search functionality and pagination for products, rating and review system for users

Transaction Application(Hosted at: <https://shielded-coast-11527.herokuapp.com/>)

- A full-stack app for banking, uses React for frontend, redux for state management, mongodb as database and express server as backend
- Implemented User authentication using JWT and used middleware to secure RESTful APIs
- Provided user with Profile and Account screens to manage and view their data, User can view/edit profile
- Account screen allows user to perform withdraw/deposit transactions and a summary page to view transaction history
- Used MongoDB transactions for handling exceptions

React App for Contact Management(Hosted at: <https://fast-atoll-12985.herokuapp.com/>)

- Full stack MERN contact manager web application to keep contacts of any new registered or logged-in user.
- Makes use of Context API ,RESTful API for CRUD operations, React Hooks for state management ,mongo Atlas for cloud storage of data and Json Web Token for token authentication

Classifying followers of most influential users on twitter

- Programmed using python, uses machine learning algorithms like logistic regression, random forest and decision trees to classify users.
- Analysis on celebrity-centric social network accounts to classify the users as bots and non bots.

Github Finder (Hosted at: <https://githubfinder249612.netlify.app/>)

- React Based Web application to search and view Github user's profile
- Makes use of React Hooks, Context API and Github's search API

MyBlog Web Application

- Full stack web application which enables to view, upvote and comment on articles and also navigate to other related articles
- Makes use of MongoDB, Express Server, React Hooks, React Router

Context Based Language Translator application

- Web application which translates source to destination language based on context of sentence. Accomplished using deep neural networks(bi-directional recurrent neural network model) Libraries used: keras, tensorflow, matplotlib ,numpy

PUBLICATIONS / ACHIEVEMENTS/ CERTIFICATIONS

- Published and awarded best research paper on effect of linguistic data on deep neural networks by Computer Society of India Oct 2017
- Certified as Nano-degree holder in Natural Language Processing and deep neural networks by Udacity Apr 2018
- Awarded first place in coding and debugging challenge by Computer Society of India(CSI). Dec 2017