Leela Manoj Mallela

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ — *Aug 2021 – May 2023*
Master of Science in Computer Science — *GPA: 3.91/4*
Coursework: Web Programming, Agile Methodologies for Software Development, Foundations of Software Engineering, Database Management Systems, Fundamentals of Computing, Big Data Technologies

Anna University, Chennai, India — *Aug 2017 – May 2021*
Bachelor of Engineering in Computer Science and Engineering — *GPA: 8.48/10*
Coursework: Data Structures, Operating Systems, Object Oriented Programming, Computer Architecture, Object Oriented Analysis and Design

SKILLS

Programming Languages:	JavaScript, Java and C
Databases:	MySQL, MongoDB, Firebase
Web Technologies:	HTML, CSS, Bootstrap, React.js, Angular.js, Node.js, Vue.js, Express.js
Tools:	Git, Bitbucket, JIRA, Confluence
Certification:	Cloud Computing Basics (Coursera, May 2021)

WORK EXPERIENCE

Michelin, ***Software Engineer Intern*** — *Oct 2019 – July 2021*

Route Management and Live Tracking of Employee Cabs

- Designed a mobile application and a web app to help employees track cabs, integrated google maps into mobile, web applications and allowed administrator to monitor movement of cabs along multiple routes concurrently
- Reduced number of API calls by 60%, latency by maintaining cache, Developed APIs to help us transfer data between mobile and web applications, Optimized routes using shortest path algorithms helping us to reduce total trip duration and fuel costs by 32%

Payroll Engine

- Redesigned payroll engine in order to scale larger data, improved user experience by adding more intermediate screens and by eliminating indeterminate states, developed API's enabling us to create documents and download on-demand data on user end
- Minimized manual work by automating schedules using Microservices to finalize payrolls at the end of every pay period, customized payrolls allowing managers to add employee tags in order to group them based on different aspects

PUBLICATIONS

Bus Fleet Management System Based on Internet of Things — *Dec 2020 – Nov 2021*

- Proposed a framework that is effective, progressively planned and executed so that it facilitates and allows any organization to utilize the live tracking service without the need to make any significant changes to their existing systems

ACADEMIC PROJECTS

Rock Buddy Web Application | *React.js, Redis, Node.js, Redux, Firebase, JavaScript* — *Aug 2022 – Dec 2022*

- Developed a web application by implementing Spotify OAuth and used Spotify APIs to create, delete and modify user created playlists. Also, added search functionality for albums, artists and tracks across multiple genres
- Implemented real time chat and comments using firebase, and added a functionality to search for events and nearby shows using Ticket Master API.

Fitness Fluent Web Application | *JavaScript, Node.js, MongoDB, Express.js, Bootstrap, CSS* — *Jan 2022 – May 2022*

- Developed a real-time web application to track fitness goals of a person by collecting data from user and dynamically calculating daily goals based on user's preference
- It allows users to sign up, update profile, set daily workout goals, compute number of calories burnt based on workout and recommend different kinds of food

Review Based Product Recommender System | *KNN, SVD* — *Aug 2021 – Dec 2021*

- Performed data classification using KNN, SVD and analyzed data for purchased product reviews. Analyzed dataset to recommend a product based on the ratio of product ratings to the number of ratings of that product
- Calculates mean, standard and minimum ratings and a product with highest rating is identified and recommended to user