

SUJATHA ARUNAGIRI

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SKILLS

MERN Stack (MongoDB, ExpressJS, ReactJS, NodeJS) | NextJS | Javascript (ES6) | CSS3 | HTML5 | Bootstrap5 | Airbnb Style Guide for JavaScript, Mozilla Developer Network for JavaScript (MDN) | GraphQL | Docker | CI/CID and DevOps | Testing: Jest | Cloud: AWS, Heroku, DigitalOcean | Agile/project Management | Version Control: Git, Github | Visual Studio Code | Statistics and Data analysis | Generative AI

EDUCATION

Microsoft and LinkedIn , Career Essentials in AI	November 2023
MIT xPRO , Professional Certificate in Coding: Full Stack Development with MERN	March 2023
Google Career Certificates , Foundations of Project management	May 2021
Madurai Kamaraj University , Master of Philosophy in Zoology(Spl. Biotechnology)	May 2007

WORK AUTHORIZATION STATUS US Permanent Resident (Green Card holder)

PROJECTS

BadBank Application

Frontend Developer

- Tech Stack: ReactJS, Javascript, HTML, CSS, Bootstrap, AWS.
- Designed and developed a Single Page Application based on User Stories.
- Tested and Deployed application to AWS S3 bucket for static website hosting.

Full Stack Banking Application

Full Stack Developer

- Tech Stack: MERN, Javascript, HTML, CSS, Bootstrap, Firebase, Docker, DigitalOcean.
- Refactored Front-End BadBank application to integrate back-end Express API, MongoDB data store, and Firebase authentication for data access.
- Dockerized Full-Stack application deployed to DigitalOcean.

Data Science Project

Boston City Data Project

- Tech Stack: HTML, Javascript, AWS.
- Accessed raw JSON data from AWS S3 bucket and manipulated it using Javascript to filter and display salary of employees in a webpage.

EXPERIENCE

Freelance MERN stack developer March 2023 - Present

- Developing websites using MERN stack. Project Portfolio: <https://suja-codes.github.io/portfolio/>

Challenger Schools Teacher December 2016 - June 2018

- Used data analysis to track student progress and identify areas of improvement.

Lady Doak College

Lecturer and Research Head

May 2005 - June 2007

Research Project Manager

May 2002 - June 2003

- Applied agile principles to manage 30+ research projects simultaneously and to ensure timely completion. Led 20+ undergraduate and postgraduate students on their research projects.
- Planned, Implemented and Managed 5+ new student programmes.