

Muthu Hariharan M

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College of Engineering Guindy, Anna University, Chennai 600025

EXPERIENCE

SAP Labs

DevOps Intern, May 2020 - Aug 2020

- Worked on a Prototype application to provide PoC for migration of cloud-native applications to Kubernetes.
- Deployed it on Kubernetes cluster that can run on any cloud service provider without involving complex changes in the code/configurations
- Worked on the API that supports metadata driven on-boarding

Expanion

SDE Intern, May 2019 - Jun 2019

- Implemented an Auto-completion search box that lists the details about chosen function in C++, Java and Python.
- Implemented a custom test case module
- Learned how the MVC architecture works.

PROJECTS

- **Password reset:**
 - Implemented a password reset system from scratch using NodeJS.
 - It allows the user to reset the password by sending a random secure key as a OTP via mail.
- **Real-time Handwriting recognition:**
 - This project lets the user to write in a GUI window and predicts the letters/digits being written by users.
 - Convolution Neural Network(CNN) model is used to predict individual characters .
- **Mini C Parser:**
 - It parses the C snippet using Lex and Yacc.
 - The given C snippet is tokenized by Lex and it is parsed by the grammar written in yacc .
- **CrowdFundr:**
 - Created a Crowdfunding portal using NodeJS and MySQL.
 - It provides secure cookies to store user information for retrieval. Used JWT for token verification and bcryptjs to salt and hash passwords.
- **E Banking:**
 - Created a simple prototype of a banking portal using Java Swing.
 - It allows the user to register, login and facilitates deposit, withdraw and transfer of money. Object serialization is used to store user data.

TECHNICAL SKILLS

- **Languages :** C++, Java, Python, JavaScript, SQL
- **Frameworks :** Flutter, React native
- **Tools/Technologies:** Docker, Kubernetes, Git, CAD

EDUCATION

- **College of Engineering Guindy, Anna University, Chennai:**
B.E Computer Science and Engineering
CGPA: 9.1/10 (5 semesters)
- **Jegan Matha Matriculation Higher Secondary School, Trichy:**
HSC Apr 2017
Percentage : 98.5 (1182/1200)
- **Jegan Matha Matriculation Higher Secondary School, Trichy:**
SSLC Apr 2015
Percentage : 98.6 (493/500)

ACHIEVEMENTS & AWARDS

- **Invente 4.0 - SSN College of Engineering:**
Winner in 'CODE RELAY'
- **Invente 4.0 - SSN College of Engineering:**
Winner in 'TECATHLON'
- **Invente 4.0 - SSN College of Engineering:**
Winner in 'WEB FX' a web development event
- **Abacus'19 - College of Engineering, Guindy:**
Third place in 'Coding Hungama', all night coding event
- **Invente 3.0 - SSN College of Engineering:**
Runner up in 'CODE RELAY'
- **Sync'18 - College of Engineering, Guindy:**
Runner up in 'Code Monk'

PERSONAL STRENGTH

- a) Public Speaking b) Self motivated c) Flexible

HOBBIES

- a) PC Gaming b) Listening to music c) Spending time with friends

CONTACT

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