

PRAMITHI JAGDISH

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Be it to solve problems in our present or propel us into an exciting future; I want my work to matter. Having strong understanding of CS fundamentals & algorithms with the ability to efficiently implement them into a reliable solution, I am eager to apply my knowledge towards an impactful internship experience.

EDUCATION


Northeastern University, College of Engineering Boston, USA
MS in Software Engineering Systems (Specialization - Full-stack Development) Aug 2021 - May 2023 (Expected)
Coursework: Programming Structures and Algorithms, Concepts of Object-oriented Programming with Java, Web design, Network Structures & Cloud Computing, Adv User Experience Research

PES University, Computer Science Department Bangalore, India
B.Tech in Computer Science Engineering (Specialization in Information Science) Jul 2014 - May 2018
Coursework: System Design, Software Architectures, Operating systems, Data Warehousing & Data Mining


TECHNICAL SKILLS

Programming: Java, Python, JavaScript(React, Express, Node), C/C++, Shell Script, HTML, CSS, REST API, R
Databases & Big Data: MySQL, PostgreSQL, NoSQL, MongoDB, Hadoop, Redis, Amazon RDS, DynamoDB
CI/CD and Testing: Github Actions, Jenkins, Docker, CircleCI, JUnit, JMeter, Mockito, Postman
Developer Tools: Visual Studio, IntelliJ, Git, Android Studio, Maven, Gradle, Apache Tomcat
Frameworks: Agile, Microsoft Azure, AWS (IAM, CloudFormation, EC2, S3, Route53, Lambda, CodeDeploy)


PROJECTS

DevOps & CI/CD Integration for cloud-native application (*NodeJS, Express, Mysql, Mocha, Chai, AWS*) 


- Developed a secure, scalable & fault tolerant distributed web application for user data management
- Built CI/CD pipelines to automate deployment on AWS with **Github actions & CodeDeploy**, utilized **AWS S3** service for object storage and created resource stack using **AWS CloudFormation**

Daycare Java Application (*Java, JS, MySQL, MVC framework*) 


- Designed a Java Application for Daycare System. Implemented **Factory design pattern** for the registration system, MVC design pattern for vaccination reminder system, and **JavaMail API** to send email notifications

WebScout (*React, Redux, Nodejs, MongoDB an Google Maps API*) 

- Home search web application allowing users to see listing details along with the location of the property on maps, view a detailed view, search and schedule tours

Analysis of sorting algorithms for Natural Language (*Java, JUnit, MongoDB*) 

- Implemented MSD & LSD Radix Sort, Dual-Pivot Quick Sort, and Husky Sort to sort 1 million Telugu & Chinese words. Compared the performance of all the **sorting algorithms** for Unicode characters, performed benchmarking, unit testing, and generated a performance evaluation report

Ischemic Heart Disease Risk Prediction (*Java, Python, JSP, MySQL, Android Studio*) 

- Led a team of 4 in Developing an **android application** to predict the risk of developing Heart Disease.
- Segmented and mined patients' clinical data using **C4.5 decision tree & K-means clustering** with an accuracy of 88.4% & sensitivity of 90.3%

EXPERIENCE

Accenture Bangalore, India
Software Engineer - R&D data operations team Nov 2018 - June 2021

- Built and integrated **RESTful APIs** & web services using **Java Spring Boot** and **microservice** architecture
- Developed a utility to load / extract data from distributed data sources to / from **Amazon S3**
- Reduced testing time by 30% by building test automation scripts benefiting my organization significantly and, in turn, was rewarded with an **Accenture Celebrates Excellence (ACE)** award

PES University Bangalore, India
Research Intern at Ordell Ugo - Presented a research paper at the RISE Conference (IJSR) Jan 2017 - Aug 2017

- 24 out of 1500 applicant** chosen to be a research interns in 2017
- Analysed performance of various **time-series** forecasting algorithms, including **Arima, Holt-Winters & LSTM**
- Performed dataset preparation, feature extraction, model building, and diagnostics using **R Programming**