Vinay Ambre

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EDUCATION

University of Central Florida, *Orlando, FL*
Master's of Science in Computer Science   *Aug. 2019 – May. 2021*
GPA: 3.4 / 4.00

University of Mumbai, *Mumbai, India*
Bachelors of Engineering in Computer Engineering   *Aug. 2015 – June. 2019*

TECHNICAL SKILLS

Programming Languages: Java, SQL, C, Python, Javascript, PHP
MVC Frameworks: SpringBoot, Angular, Laravel, Express
ORM/ODM: JPA, Hibernate, Mongoose, Eloquent
Database Technologies: MySQL, PostgreSQL, MongoDB Atlas, Firestore
Cloud Services: Amazon Web Services-EC2, Lambda, S3; Amazon SQS, SNS; Google Cloud Platform-Compute Engine
Testing and Integration: Git(Version Control), JUnit, Mockito
Certified Courses: Ultimate AWS Certified Solutions Architect Associate 2021, Udemy(Link)

EXPERIENCE

FedEx Services, *Orlando, FL*
Information Technology Intern   *Aug. 2020 – Nov. 2020*

○ Developed an application for the business users to make tax rate change requests to the tax database using a GUI.
○ Built the application using Java Spring Boot by creating REST APIs for various CRUD functionalities.
○ Used JPA and Hibernate frameworks for object relational mapping and connectivity to the Oracle SQL database.
○ Developed the frontend GUI with Angular MVC framework in Typescript by creating components and services for them.
○ Performed unit tests on application services using JUnit and Mockito testing frameworks.
○ Wrote shell scripts for building and deploying the application on a Linux server using Apache Tomcat.
○ Worked in a SAFe Agile environment by using VersionOne - an enterprise agile management software.
○ Won the 'Technical Mastery' and 'Director's choice best project' award for the project completed during the Internship.

Technical Team - SIES Gradaute School of Technology, *Navi Mumbai, India*
Technical Head Volunteer   *June. 2018 – May. 2019*

○ Lead developer for creating Portal SIESGST - One account to get college updates, railway concession, halltickets, results and other features. Developed the application in Node ExpressJS MVC Framework along with MongoDB Atlas as a cloud database service and also deployed it on Google Cloud Platform (GCP).
○ Created REST API's and secured them using Json Web Tokens(JWT) for authentication and authorization of API usage.
○ Implemented the Paytm secure payment checkout feature using the Paytm Node SDK for payments through the college events website.
○ Developed and Maintained the official website for the college SIESGST using php Laravel framework and deployed it on a Apache server.

PROJECTS

Portal SIESGST
June 2018-May 2019

○ Developed the application using Node ExpressJS MVC Framework and used MongoDB as a NoSQL database service.
○ Created Database schemas for the entire application and corresponding ORM's.
○ Developed REST APIs for CRUD operations and also developed the frontend in EJS as templating engine.

Transfer Learning on Chest X-Ray Images
Sept 2019-Dec 2019

○ Used transfer learning for creating models for detecting pneumonia in the dataset provided by Mendeley Data
○ Used VGG, Inception, MobileNet, DenseNet for transfer learning and obtained an accuracy of about 85 percent .

FootTable
June 2017

○ An Android application which shows League Tables of top European Football Competitions made in Android Studio.
○ Used the REST API endpoints from football-data.org to fetch live standings and displayed them in the application.

Matrix
July 2017

○ A portal made for students to give quizzes made using Laravel MVC Framework and MySQL as database.
○ Developed the admin side for entering quiz questions and diagrams and also wrote the code for evaluating the total marks and displaying ranking of the students.
○ Deployed the web application on Apache server so as to be accessed and used by the students in the private college network.