**VISHAL NEHE**  [linkedin.com/in/vishal-nehe/](https://www.linkedin.com/in/vishal-nehe/)

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**EDUCATION:** <https://vishalnehe.github.io/>

**Master of Science in Computer Science** Expected May 2021

San Diego State University, San Diego, CA

**Bachelor of Engineering in Computer Science** July 2012-May 2016

Pune University, Pune, India GPA: 3.8

**PROGRAMMING SKILLS:**

**LANGUAGES:** Java, C#, Kotlin

**WEB SKILLS:** JavaScript, CSS, Bootstrap, React, Rest API, JSON jQuery, Node.js, .NET MVC

**DATABASES:** SQL, MySQL, Firebase, MongoDB

**TOOLS:** Visual Studio Code, Kubernetes, Android Studio, Azure, Git, IntelliJ, SSMS.

**WORK EXPERIENCE:**

**Android Developer, SDSU Research Foundation (Part-Time)** December 2019 - Present

* Working on developing an android application for researcher to create custom programs for participants suffering from hearing loss.
* Developed backend to scan nearby hearing aids (Bluetooth Low Energy devices) and connect with them using android BLE API’s.
* Created a web portal to download the logs generated by participants interaction with the hearing aids.
* Technologies: **Java, Android Studio, Firebase, Bootstrap.**

**Sr. Software Engineer, Infosys Pvt Ltd, Pune, India**

**Project 1: Dassault Systemes applications. (Adient)** August 2018-July 2019

* Reduced the size by 20% of cached application data by working with other application leads who shared same user base to develop a customized launcher for starting multiple Dassault Systemes applications.
* Worked on developing LRP (License Release Portal) to reduce the licenses required by 30%. This system notified users to release licenses for inactive sessions using Rest API.
* Designed and developed core features for LRP Android application using Java which provided users the ability to release acquired licenses, extend time for acquired licenses with back-end API integration to improve the customer experience.
* Technologies: **Java, Android Studio, Kubernetes, React, Rest API, JSON**

**Project 2: TMDB data extraction and reporting application. (Bombardier Aero)** August 2016-July 2018

* Worked on developing backend for reading and extracting data of aircraft parts from word forms.
* Involved in developing a new workflow to reduce the monitoring time by flat 75 minutes using multithreading.
* Created Mail API to send out notifications to stakeholders once the application execution was completed.
* Technologies: **C#, SQL, .NET MVC, jQuery, Bootstrap, Node.js**

**PROJECTS:**

**Commercial Product Analysis using Hadoop MapReduce**

* Created an application that analyzed the purchase logs in Online Retail dataset. Used Hadoop MapReduce to split data into chunks to generate structured data and then applied Apriori algorithm to generate association rules.
* Output was provided in the form of graphs, recommendations and strategies to improve sales and profits.
* Technologies - **Java, Hadoop (HDFS and MapReduce)**

**Online Wallet web application using MVC framework**

**E-Wallet – .net MVC application**

* Created an MVC application where user can recharge mobile, pay electricity bills.
* Other functionalities included payment options, redeem code, email receipt.
* Technologies – **C#, .net MVC, SQL, Azure**