

Vishal Kumar

Research Associate at TCS Innovation Labs, Incubation Program

Aiming to Solve Consumer and Business Problems and Build Innovative Product and Services through Digital Technology.



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WORK EXPERIENCE

Research & Innovation Associate Developer TCS Innovation Labs

05/2018 – Present

Bangalore, India

- Working in the development of new business and drone based solution for Enterprise.
- Developing android app for Warehouse and Yard Management, Autonomous Drone based Product and Services.
- Building Android SDK and Libraries.

Asst. System Engineer / Developer Tata Consultancy Services Limited

01/2017 – 04/2018

Mumbai, India

- Worked in the Design, Development, Unit Testing, Security, Performance and Maintenance of Enterprise android applications.
- Worked in the Rapid Prototyping and Development of Reusable Components for OCR, Chat bot based Applications in TCS Mobility CoE Team.

Trainee & Learning Enabler Tata Consultancy Services Limited

01/2017 – 04/2017

Trivendrum, India

- Completed Training in Oracle Application Development and worked as Learning Enabler at ILP Innovation Labs, Global Training Center.

Innovator Digital Impact Square, TCS Foundation

06/2016 – 01/2017

Nashik, India

<https://www.digitalimpactsquare.com/>

- Worked in the development of new social business, engaged in User/Problem Research and conducted a successful product/services market fit campaign, which leads to a rapid increase in the number of customer looking for the low cost portable soil testing product/service.

EDUCATION

Fellow, Entrepreneurship Startup School Online

08/2018 – Present

Bachelor of technology in CSE Institute of Engineering and Rural Technology

06/2013 – 05/2016

Allahabad, India

Diploma in CSE Government Polytechnic Mahoba

06/2010 – 05/2013

Mahoba, India

SKILLS

Java

Python

Data Structures

Algorithms

Coding

Object-Oriented Design

Databases

Distributed Computing

Operating Systems

Internet

Android

Android SDK

Android Libraries

Rest API

Web Technology

Design Thinking

System Design

Drones

Technical Documentation

Agile

UX

PROJECTS

Trailer Identification in Yard (07/2018 – Present)

- Developing an android app for flight operation of DJI Drones using DJI Android SDK for Mission Planning and Tracking on Maps.

Warehouse Inventory Reconciliation (05/2018 – Present)

- Developing android apps to generate report for warehouse inventories using drone video feed. Inventory Identification & Reconciliation involves barcode/ QR code recognition, Text Recognition, Pallet Detection.

Global Employee Self Services (04/2017 – 04/2018)

- Developed an android application for Employee Claims.
- Developed an android and web based chat bot application for employee help desk, applying leaves, booking meeting rooms and other self services.

MLCP for Parking Management (02/2017 – 04/2017)

- Developed an robot and android app base solution for Parking Management at TCS ILP Innovation Labs Trivendrum.

Soil Health Testing (06/2016 – 01/2017)

- Developed a soil testing IoT Solution and android app based on Colorimetric test strips to detect N, P, K and pH contain in soil combined with crop specific recommendation.

ACHIEVEMENTS AND CERTIFICATES

PyTorch Scholarship Challenge from Facebook

Accomplished the PyTorch Scholarship Challenge from Facebook for PyTorch Deep Learning Nano-degree course at Udacity.

Google India Challenge Scholarship

Accomplished the Google India Challenge Scholarship for the Android Developer track at Udacity E-LEARNING.

Innovate for Social Impact in Food and Agriculture

Awarded Impact Innovative Problem Solving and Digital Technology Implemented Solution.

Google Cloud Platform Fundamentals: Core Infrastructure

Google Cloud Certification | Coursera

Software Development Fundamentals

Software Development Certification | Microsoft