Vishal Kumar

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WORK EXPERIENCE

Tata Consultancy Services Limited   **June 2016 - present**

System Engineer – R&D   *April 2018 - present*

Working at TCS Innovation Labs, Bangalore with TCS EIR Drones Incubation Group.

- Developing code as per the business requirement and creating reusable assets.
- Existing and new code documentation, clean architecture design, refactoring code and design pattern imeplementation.
- Ensuring delivery of the solutions and components within described time frames in agile way project management.

Assistant System Engineer   *Jan 2017 – Mar 2018*

Worked at TCS, Mumbai with GESS Mobility and Rapid Prototyping Group.

- Engineered and maintained major features of the TCS Enterprise Mobiles Apps.
- Performed Unit Testing and fixed defects to ensure product quality.
- Proposed and implemented scalable solutions to improve the customer experience.
- Interfaced with the user experience designers and others developers to ensure thoughtful and coherent user experience across TCS Enterprise Web, iOS and Android apps.

Innovator - Intern   *June 2016 - Jan 2017*

Worked at Digital Impact Square, TCS Foundation, Nashik.

- Researched on enabling informed decisions about soil health to increase productivity, soil fertility and optimising use of fertilizers.
- Developed digital solutions using cloud and offline enabled mobile app to solve the problem of indian farmers (soil testing, accurate result, fertilizer recommendation).

EDUCATION

Institute of Engineering and Rural Technology, Allahabad, IN   **2016**
B.Tech in Computer Science & Engineering – 77% (Hons)

Government Polytechnic Mahoba, IN   **2013**
Diploma in Computer Science & Engineering – 76% (Hons)

SKILL

- Data Structure, Algorithms, Run-time Analysis, Object Oriented Design, Code Documentation, Design Patterns, MVP, MVVM.
- Java, Android (UI, Behavior, Architecture) Components, JUnit, XML/JSON, API, Threading, SQL, SQLite, HTML, CSS, Javascript, ReactJS, NodeJS, Material Design.
- Retrofit, Glide, Gson, Dragger2, RxJava, Android SDK, Firebase, GCP, AWS, Heruko.
- Git, Gradle, JIRA, Redmine, Agile (Scrum/Kanban) Project Management.

ACHIEVEMENTS & CERTIFICATES

- PyTorch Udacity Scholarship from Facebook
- Android Udacity Scholarship from Google India
- Received an Innovation award for Social Impact in Food and Agriculture
- Google Cloud Platform Fundamentals: Core Infrastructure, Coursera Certification.
- Software Development Fundamentals, Microsoft Certification.

PROJECT

Asset Inspection   April *2018 - present*

- Developing report app for anomalies localisation, operations and integration with AWS.

Warehouse Inventory Reconciliation

- Developing planner, operations and report app integration with Rest API.
- Developing android (aar) core libraires for the Auth, DataSync.

Trailer Identification in Yard

- Developed google map api integrated android app for gps based outdoor drone flight planning and mission tracking.

Apply and Initiate   *Mar 2017 – Mar 2018*

- Developed an context based chat interface enterprise android app for the TCSers to access the services like applying leave, claim, travel, accomodation and many more.

Soil Testing, Crop Furtilizer Recommendation   *June 2016 – Dec 2017*

- Developed an dashboard and android app integrated with IoT devices to major the soil health and recommend the crop and furtilizer.

NewsAdda (Academic Major Project)

- Developed an android and web app to crowd sourcing the news from local reporter and gamified the experinece of news reported based on badges and ranking.
- Designed MySQL Database and Developed PHP based Rest API.

A2Zsms (Academic Minor Project)

- Developed an messaging service platform in Java, JSP, Servlet, Jquery, MySQL, HTML.

SIDE PROJECT

Quality Analysis and Checklist   *April 2019 – Present*

- Designing multi-language and multiple device supported android app for data capturing and dashboard, re-imagining the suppy chain of agriculture.

AI-assisted Mobile Marketplace   *Feb 2019 – March 2019*

- Contributed to android app developement of Vendi Platform to Sell and Buy Products.
- Integrated the Rest API based AI Service for auto listing the Products for Sell.
- Integrated with Firebase Storage, Authentication SDK.
- Implemented the MVVM Architecture with LiveData, ViewModel and Data Binding.

AI-assisted B2B Food Ordering   *Dec 2018 – Feb 2019*

- Developed an android app for food ordering. Integrated with Firebase Authentication and Rest API based AI Services for the product identification and human face recognization.

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