

# BISHWAJEET KUMAR

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## Resume

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### Vision

To be associated with an organization that provides a challenging and co-operative atmosphere that helps in my overall professional development and provides ample opportunity to achieve a responsible position in the company by performing my responsibilities through enthusiasm and sincerity.

### Current Role Description

Currently working as an **Android Developer/Team Lead** for **Times Internet Ltd.** ([SmartApp](#)) with total experience of **4 years**.

### Experience

- ❖ **Total:** **4 years.**
- ❖ **Current :** **Times Internet Ltd.(Times of India Group), 1 year 6 months** (Since Jan 2015)
- ❖ **Previous:** **Tata Consultancy Services Ltd., 2 years 6 months** (July 2012 – Jan 2015).

### Technical Skills

- ❖ **Languages:** Java, C, C++.
- ❖ **Database Tools:** MySQL, SQLite, Realm, Mongo DB, Neo4j Graph DB.
- ❖ **Technologies:** Android OS, Graph Database, Hadoop Cluster Setup, Apache Solr
- ❖ **Tools:** Android Studio, Eclipse, Adobe Photoshop, Apache Tomcat, WAMP Server, Jetty.
- ❖ **Others:** Google Analytics, Google Tag Manager, Google App Indexing, UrbanAirship, Apsalar, Branch.io, Fabric.io, Facebook SDK, Windows Phone 7 Development Platform, AngularJS, D3.js.

### Project Profile

- ❖ **Title:** **SmartApp – Online Recharge & Recommendation** (Since January, 2015)  
**Client:** **Times Internet Ltd.**  
**Environment:** **Android, Gradle, Java, GA, GTM, UA, Apsalar, Fabric.**  
**Role:** **Developer/Team Lead**  
**Description:** smartapp saves you money by recommending the mobile recharge offers you need. smart app keeps you on top of your usage with some great insights on your Internet, calls and messaging. smart app helps you find the best mobile recharge plans & recharge offers based on your usage.
  - Understanding requirement & deliverables in order to facilitate effective sprint planning.
  - Distribution of task/responsibilities within the team.
  - Responsible for app release on PlayStore and to the testing team.
  - Integration of 3rd party SDKs (GA, GTM, PayU, Apsalar, UA, Fabric)
  - Solely responsible for development of various modules. (Referral, Card Ranking Algorithm, Recommendation)
  
- ❖ **Title:** **Baker Hughes Incorporated – RAIS Mobility**(Dec 2013 – Dec 2014)  
**Client:** **Tata Consultancy Services Ltd.**  
**Environment:** **Android 4.0.3 (API-15), SQLite, JSON & RESTful Web Services, Google Maps API**  
**Role:** **Developer**  
**Description:** RAIS provides a mechanism for accurately tracking rig count which is utilized as the leading Oil & Gas industry market activity indicator.

- Development of RAIS application to address the business pain points by keeping the web counterpart in mind.
- Utilized UI wireframes and specifications to support Android tablet and mobile device applications.
- Working with GoogleMaps API to render latest Rig locations by calling RESTful web-service.
- Use of AsyncTask to sync remote and client data.

❖ **Title:** **Performance Management App, Mobility Vertical** (Oct 2012 – Jun 2013)

**Client:** **Tata Consultancy Services Ltd., Rite-Aid Corporation**

**Environment:** **Android 4.0 (API-14), SQLite, XML Parsers, JSON.**

**Role:** **Developer**

**Description:**

The PMS app basically used for grading the year-round performance of the employees associated with the company. The employees can self-review themselves as well as can be reviewed by their managers. Depending upon the performance index calculated the employees are given incentives.

- Creation of interactive forms for performance review.
- Utilized UI wireframes and specifications to support Android tablet and mobile device applications.
- Parsing of XML data to JSON for lightweight data transfer to web services.
- Use of HttpResponseCache for data caching.

❖ **Title:** **Integrating Facebook C# SDK & Neo4j** (June 2013 – Dec 2013 )

**Client:** **TCS EIS Group**

**Environment:** **Facebook Graph APIs, Neo4j, Cypher, Facebook C# SDK, D3.js, NuGet**

**Role:** **Developer**

**Description:**

The objective of the project was to retrieve logged-in user's data from Facebook using Facebook Graph APIs, prepare the retrieved data for storing it in Neo4j and then finally visualize that data graphically using D3.js.

- Installation of Facebook SDK for .Net and Neo4jClient using NuGet.
- Obtaining Access Token from Facebook's Graph API tool to access user data.
- Creation of Nodes, Relationships & Indexes using Cypher queries.
- Rendering of data using D3.js.

## Research Project

❖ **Title:** **iRemote** (Jan 2012 – March 2012)

**Environment:** **Android 3.0 (Gingerbread), JSP, MySQL, BlueCove (Bluetooth API).**

**Synopsis:**

The iRemote application consists of two major functionalities. First, it can act as an emergency response device which can be used to send automated messages containing current geographical location of the sender. Secondly, it can be used to remotely issue commands to a Bluetooth enabled device e.g. Interactive Television. This application is also packed with voice-command interface.

- Used Reverse-Geocoding to retrieve local address from GPS coordinates.
- Establishing connection over Bluetooth sockets.
- Implemented Voice-Command Interface using Android Voice Recognizer.
- Creation of Interactive Television Emulator.

## Academic Projects

❖ **Title:** **Hospital Automation System** (July 2010 – Oct 2010)

**Environment:** **Java Server Pages (JSP 2.0), MySQL Server, Apache Tomcat, JavaScript, HTML.**

**Synopsis:**

The Hospital Automation System has been designed to manage the workload of hospitals. It finds the patients' current status, their medical history, doctor assignment to different ward, medicine given to different patients, etc.

- Created User Interface and code-behind logic.
- Created stored-procedures, tables and queries.

- ❖ **Title:** **Endangered- A Tiger Conservation Initiative** (August 2011 – September 2011)
- Environment:** **Maya 2011, Adobe Flash, Windows Movie Maker, Adobe Photoshop.**
- Synopsis:** The video entitled “Endangered” video highlights the problem on industrialization and how it leads to the endangering of the tigers.
  - Animation frame rate of 24fps.
  - Character modeling, coloring & texture using Maya Swatches and TGA files.
  - Rendering in FLC and AVI formats.

## Non-Academic Projects

- ❖ **Title:** **Neo-Visual Search** (July 2014)
- Client:** **Self-Learning**
- Environment:** **Neo4j, VisualSearch.js, AngularJS, Vivagraph.js**
- Synopsis:** The aim of the project was to create a dynamic UI element which has the ability to autocomplete faceted search queries. VisualSearch.js enhances ordinary search boxes to implement the above idea.
  - Autocomplete faceted search.
  - Use of Vivagraph.js to render the graph.
  - Use of Labels to configure Facets dynamically for graphs changing over time.
- ❖ **Title:** **Embedding Neo4j to Android** (Oct 2014)
- Client:** **Self-Learning**
- Environment:** **Neo4j, Android SDK.**
- Synopsis:** Neo4j Mobile for Android runs as a service, and is accessed via Android Inter-Process Communication using an AIDL connector.
  - Neo4j App built using Java 1.6, Ant 1.8.1, Android SDK r21 & tested on Android 4.0.3

## Contests

- ❖ **Title:** **Cashless Garage Finder** (Jan 2012 – Feb 2012)
- Client:** **Berkshire Insurance** (A majority owned subsidiary of **Berkshire Hathaway Inc.**)
- Environment:** **Android 2.2 (Froyo), XML, SQLite.**
- Synopsis:** The App takes into account the user's (phone) current location (GPS) and informs him automatically of the nearest approved cashless garage.
  - Use of PULL Parser for XML parsing.
  - Created a multi-tabbed App UI.
- ❖ **Title:** **UNIT CONVERTER – Windows Phone 7 Application** (Nov 2010 – Dec 2010)
- Client:** **Microsoft Student Partner**
- Environment:** **Visual Studio 2010 (Phone Developer Edition), C#, Windows Phone Emulator.**
- Synopsis:** Unit Converter is a metrics conversion tool designed for Windows Phone 7.
  - Support for both Landscape and Portrait mode phone orientation.
  - Single screen, multi tabbed UI.

## Education

DEGREE	BOARD	SCORE	SUBJECT
<b>B. Tech.</b>	Cochin University of Science & Technology (2012)	74.58 %	Information Technology
<b>Std. XII (AISSCE)</b>	C.B.S.E. (2007)	66.4 %	Math & Computers
<b>Std. X (ICSE)</b>	I.C.S.E. (2005)	80.16 %	Science & Math

## Certification & Participation

- **Coursera.org**
  - Programming Mobile applications for Android Handheld Systems.
  - Introduction to Guitar
- **Lynda.com**
  - Android SDK Essential Training.
  - SQL Services Reporting Services in Depth.

## ➤ Participations

- Uber Hackathon, Delhi 2015.
- Droidcon, Bengaluru 2015.
- Android Studio RoadShow, Delhi 2016.

## Achievements & Extra-Curricular Activities

- ❖ Awarded **Aspire – CEO Award** for contribution towards successful release of SmartApp.
- ❖ Bagged 1st prize in **Robotics** in **TECHENVISION-2009** at **CUSAT**.
- ❖ Selected as **MICROSOFT STUDENT PARTNER** for two consecutive academic years, 2010-2011 & 2011-2012.
- ❖ Created Process Improvement project for **Lean Six-Sigma Green Belt** Certification.
- ❖ Made into Final-10 teams for the **Android App Design Contest** out 500 teams. Organized by **INTERNFAIR**.
- ❖ Attended **Computer Network – The Future Beyond** seminar organized by **CISCO** at **NIT-Surathkal**.
- ❖ Conducted several sessions & workshops on **Android & Windows Phone App Development** at college level.
- ❖ Member of Organizing Committee of **Spill d Beans** (A Paper Presentation Event organized in collaboration with **ISNT, ISRO - VSSC**).
- ❖ Attended **Microsoft DreamSpark Yatra - 2011** held at Bengaluru.

## Hobbies

- ❖ Trekking, Travelling & Music.
- ❖ Writing about and implementing new technologies at my blog [The Magic Squares](#).
  - Android & GraphDB : Embedding Neo4j.
  - Integrating Facebook C# SDK & Neo4j.
  - Developing Android Wearable Apps with Emulators.
- ❖ Working with Android Custom ROMs (CyanogenMod, MiUi).