

# Nishit Kotak

## Software Engineer ControlCase Mumbai

Mumbai, Maharashtra - Email me on Indeed: [indeed.com/r/Nishit-Kotak/0867743385b9d155](https://www.indeed.com/r/Nishit-Kotak/0867743385b9d155)

To augment and to leverage my technical skills to build a successful career

Willing to relocate to: Ahmedabad, Gujarat - Pune, Maharashtra

### WORK EXPERIENCE

#### Software Engineer

ControlCase International Pvt. Ltd - Mumbai, Maharashtra -

November 2016 to Present

#### Software Engineer

Tata Institute of Fundamental Research - Mumbai, Maharashtra -

November 2014 to November 2016

### EDUCATION

#### B.E. in Computer Engineering

Sigma Institute - Vadodara, Gujarat

2014

#### Diploma in Computer Engineering

Nirma University - Ahmedabad, Gujarat

June 1983 to 2011

### SKILLS

Php (3 years), Mysql (2 years), HTML (3 years), CSS (2 years), Bootstrap (2 years), Laravel (1 year), JQuery (1 year)

### LINKS

<https://www.linkedin.com/in/kotaknishit/>

### ADDITIONAL INFORMATION

- An effective communicator skill with ability to work efficiently in both independent and team environments.
- Self-motivated, highly committed to responsibilities

#### AREA OF INTEREST

- Web Application, Software Development
- Database Management, Big Data

#### TECHNICAL SKILLS:

Programming languages : PHP, Java, J2EE, EJB, Servlet, C, C++

Scripting : Shell Script, JavaScript

Database system : SQLite, MySQL, LDAP

Web technologies/support : AJAX, jQuery, JSP, HTML, CSS, JSON

Framework : Bootstrap, Laravel

Designing tools : Rational Rose, Microsoft Visio

Operating system : Windows, Linux

Application development tools : Eclipse, Net Beans, Adobe Dream Weaver, Notepad ++, HeidiSQL

#### JOB PROFILE:

- Engaged in the development of application for diverse dashboard for ControlCase GRC and statistics of real-time data.
- Proven working experience in web programming using PHP, JAVA, and in-depth knowledge of modern HTML/CSS.
- Maintaining, expanding, and scaling GRC Software of ControlCase
- Plugged into emerging technologies/industry trends and apply them into operations and activities
- A solid understanding of how web applications work including security, session management, and best development practices.
- Adequate knowledge of relational database systems, Object Oriented Programming, Network and Server.
- Ability to work and thrive in a fast-paced environment, learn rapidly and master diverse web technologies and techniques.

#### PROJECTS:

- GRC Asset and Vulnerability Management:

ControlCase GRC is a consolidated framework that quickly enables IT governance, risk management and compliance (GRC) with one or several government or industry regulations simultaneously. It involves discovering, identifying and classifying assets such as servers, desktops etc. The data is coming from internal API and that huge data is displayed in datatable grid, all CRUD operations developed for API.

- Highchart:

Reporting and Statistics is the key part of any Product. In GRC our user can generate report based on their compliance reports and generate chart based on that reports. I have implemented Highchart in their GRC Software Dashboard that is highly used by their client, QSA to get Assessment, Remediation and Reporting Status. Highchart Color can be customized as per Highchart Default color, Pattern or custom color chosen by user at time of creation. Chart panels is draggable and can be moved within dashboard.

- TIFR Data Center Dashboard:

It gives all the statistical data of application and services provided by center. LDAP, Server and Network operation can be done like allow and view user access in different servers, changing user/role account password, Addition and deletion of application admins.

Many other applications like No. of users / guest registered for TIFR-Wi-Fi, Add, Edit, Delete Device MAC Address in User LDAP Profile. Below is some of the operations done at Dashboard interface.

- TIFR Employee Data Modification
- Printer Usage Statistic
- CD Distribution Management.

- LDAP Integration of TIFR Wireless:

To authenticate from LDAP for Aruba wireless controller this need NTLM hash encoded password Application was made that can convert LDAP user password to NTLM hash during signup or logging to Application. It is one-time process so after authentication user can access TIFR WIFI through their single LDAP password.

- Committee and Office Order Management

Admin can add committee members and generate office orders it will be easier for computer center staff to get roles like chairperson, president or any other TIFR committee roles. Committee roles also reflect on User's People Finder Profile.

- IT Asset Management

Web application that can manage asset with all integrated purchase order, indent, quotation, invoice and associate engineer, application user can track and manage all assets and their details like technical details, asset prize, accounting, quantity, RFID, AMC in a single view. User can track delay in delivery and installation with proper reporting. User also get notification when Asset AMC or term going to expiry.

- E - Notice Board

Web application with user-friendly Admin interface that allows Upload / Edit / Delete Notices, Application Head can dynamically handle application administrator from Dashboard interface. User can view latest notices by department or by week.

- IP Address Management

Web application that can manage all IP address of Institute and TIFR Colony, User can request for New IP through their Department Representative, Support ticket will generate and assigned to Computer Center Admin through Service Request System, assigned engineer will generate New IP as per user's location by selecting block, sub-block switches, VLANs and IP subnet. On solving the ticket auto email sent to user and respective department representative about IP, Subnet, and DNS details. Admin can view all IP and their respective IP Owners, Switch Details at Admin panel. Some other features of IPAM are below

- Reclamation and Deletion of IPs

Notification mail sent to user before 1 week of retirement,  
Ticket generate after 1 month of retirement for deletion of IP.

- Retain IP

If any users want to keep his IP active after his retirement for specific time, there's provision for keeping this IP active after his reclamation date. On Specific date given by user IP will be reclaimed as per reclamation process.

- IPv6 Implementation Status:

Admin can track no. of users switch to ipv6 and pending status.

- Colony IP Address Management:

Admin can view colony members, flat no, and IP address, view available free ports, vacated colony members, application admin can take necessary action when user retire, left, acquire flat or change from one flat to another.

- ASTROSAT SXT Web Application

SXT is one of the instruments of India's first dedicated astronomy Satellite ASTROSAT. It was built by TIFR and launched by ISRO. To share SXT result data, application was made so that register user can download SXT output, it is moderator based login system with all necessary security features.

- Website for TIFR Computer Center

Responsive website. Dashboard with Iconic view of all the services provided by Computer center with detail explanation.

- Internet Link test / Speed test

By this application user can check internet speed, like uploading speed, downloading speed, some features of this application are Single site and multiple site ipv4/ipv6 ping, traceroute, wget. Generate log of particular session. CCCF used this application during 200 Mbps internet bandwidth purchase.

- TIFR Science News

Interface was made so that admin can easily add science news content, image and upload supporting documents. it brings the students and visitor about research highlights, milestone and important scientific developments done by scientist of TIFR. It displays the researchers name and homepage link of scientist to know more about the research and to contact them.

- ProjeQtOr

Customize open source project management tool which help to track project and activity assign to engineer and time taken or required to complete such activity.

- Network Traffic Analysis with HADOOP PIG

By this script Network admin can check Dept. wise traffic, Host wise traffic, Date wise traffic and Block wise traffic from PIG command script. Network Admin can check top downloads and uploads.

- Government Project Tracking System (8th Semester, GTU)

In this Project I have developed Web application powered with Twitter Bootstrap Framework with Java Bean and MVC architecture, I have used Ajax and jQuery for validations, SQLite database as backend. By this application Government Organization post their projects (tenders), award projects to vendors, assign officers to projects, officer can track project-progress by android app that can track Government Project Location with GPS and real timestamp image, review the project progress, Vendor can fill tenders for project according to their business category.