

## VIVEK KUMAR

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<http://vkku.me>

### Web Developer

Enthusiastic passionate developer with two years of experience increasing functionality and optimizing quality while designing software solutions. Effective programmer who performs tests to identify deficiencies and establish appropriate resolutions. Proven ability to implement latest technologies in Java /Spring, Spring boot, Spring Batch, SQL, Data Structures, OOPs, and Continuous integration & deployment, while developing innovative software applications. Experienced in creating web applications using modern backend and frontend technologies (Spring Boot, MongoDB, JS and React).

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Java Development • Microservice Design • API Development  
• Retail Application • Test Driven Development • Computer Vision • Machine Learning

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**Languages:** Java, C, C++, SQL, JavaScript  
**Web:** JavaScript, jQuery, AJAX, HTML5, CSS3, Bootstrap, XML  
**Web Services:** JSON, RESTful, SOAP, Express  
**Web Server:** Tomcat, NodeJS  
**Frameworks:** Spring, JDBC, Spring Boot, ReactJS, Junit, Mockito, WireMock, Cucumber  
**Databases:** Oracle, SQL, DB2, MySQL, Mongo DB, Cassandra  
**Tools:** IntelliJ, Eclipse, WAMP, Apache Server, GIMP, Postman  
**Platforms:** Windows 2000 / XP / VISTA / 7 / 8 / 10, UNIX

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### PROFESSIONAL EXPERIENCE

**Tata Consultancy Services / System Engineer, Chennai, India August/2017 - Present**

Full Stack Software Developer

**The Home Depot, Inc.**

**Project:-**

The Store Level Pricing project will maintain price and cost of the products at store level. This project will enable store-specific pricing based on the competitive landscape. This application provides the ability to create, maintain and transmit store level price changes to the stores. This product manages the New Lower Pricing indicator for each store and maintains the workflow to approve / reject the price changes. This project reduces number of price points to maintain (170 markets to average of 5 zones per product) and removes market constraint for pricing. It provides the ability to compete with target competitors in one or more stores. This application allows the users to make price changes for all the general merchandise products (nearly 700k). The Web App provides the following features:- Price Change, Date Reservation, Future Changes, Reports Generation, Data Representation, Price Change Suggestions, Force Updation

**Technologies Used:** An Enterprise Application with spring boot Restful web service. Java 8, Java 11, Spring, JDBC and React JS ,optimized data structures and algorithms with efficient design patters. with IBM DB2. Pivotal Cloud Foundry web servers and web containers, GitHub, Agile environment, Maven build tool.

**Responsibilities:-**

- Collaborated with Architecture Team, Designer Business and test team to design web solutions, API Micro services for different business requirements.
- Developed Continuos Integration system with Concourse and Continuos Deployment system with Pivotal Cloud Foundry.
- Coding, Testing, Code reviewing, Code merging.
- Participated in status update meeting with concerned authorities

## ACADEMIC PROJECTS

### Moradabad Institute of Technology Moradabad, U.P. 2013-2017

- **Gait Based Authentication System:** Developed machine learning model – Decision Jungle, to identify subjects on their gait. Used Azure ML Studio, R Studio, Python, Weka  
Website: <http://vkku.me/GBAS>
  - **Twitter Sentiment Analysis:** Developed a tool which fetches top 100 tweets for a topic, tokenize and classify sentiment as positive, neutral and negative. Used Javascript, Jquery, HTML5, word2vec.  
Website: <https://powerful-taiga-95305.herokuapp.com>
  - **Periodic Table Game:** Developed a game in which elements have to be dragged at their correct position for TCS Gameon. Works on all platforms, Web Based. Used Javascript, Jquery, drag and drop API, HTML5.
  - **Internet Search Utility:** Developed search tool to find open content for types as Ebooks, Audio, Video, APK Files, JAR Files. Used Javascript, Jquery, Advanced Google Search Operators.  
Website: <https://vkku.github.io/minimum>
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## EDUCATION

### Bachelor of Technology, Moradabad U.P.

(30/06/2013 - 29/06/2017)

**Key Courses:** Modern Java, Fundamental of Programming, Database Management Systems, Web Application Programming, Web Application Architecture, Advanced Software Design Patterns, Algorithms and Data Structure, Data Structure and Algorithms, Artificial Intelligence, Semantic Web Modern Web Application Programming, Software Engineering, Computer Networks, Computer Vision

- Percentage: 74
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## CERTIFICATION

- **Pivotal Certified Cloud Foundry Developer**

Verification Link: <https://bcert.me/bc/html/show-badge.html?b=dykincz>

