

Lakshmanan Vivek

535 S Market St, San Jose, CA - 95113 | +1(669) 292-4707

viveklakshmanan@live.com | lvivek.com | [GitHub/lamvivek](https://github.com/lamvivek) | [LinkedIn/lakshmananvivek](https://www.linkedin.com/in/lakshmananvivek)



Experienced Software Engineer with extensive practice in computer science and technologies, seeking work in software industry field to meet new challenges and provide innovative solutions.

EDUCATION

M.S. in Computer Software Engineering

- San Jose State University, U.S

Dec 2018 (Expected)

CGPA - 3.90

B.E. in Computer Science and Engineering

- Anna University, Chennai, India

Aug 2010 – May 2015

TECHNICAL SKILLS

- **Programming Languages:** Python, Core Java, PHP, C, C++, R
- **Database:** MySQL, PostgreSQL, MongoDB, Neo4j, Redis
- **Web Technologies/Frameworks:** HTML/5, CSS, Django, Flask, JavaScript, Node.js, Bootstrap
- **Data Technologies:** XML, JSON, CSV
- **Tools/ Technologies:** Git, SVN, PyCharm, Eclipse, NetBeans, IntelliJ, R Studio, AWS

EXPERIENCE

Investnet | Yodlee, Bangalore, India

Aug 2015- Dec 2016

Software Engineer

- Experience in Java Selenium, PL/SQL, MySQL, REST API's, JSON, XML.
- Worked on developing web crawlers using java selenium to scrape financial data from different financial institutes such as Lloyds Bank, Royal Bank of Canada, ANZ, AMP Bank etc.
- Data extracts were then sent in XML format to the respective data warehouses using REST API's.
- Improved the overall web crawler success rate of Australia and New Zealand (ANZ) Locale from 90.82% to 97.12%. Reduced the average latency of the ANZ Locale web crawling by 28%.

MS Live Technologies, Chennai, India (Intern)

Aug 2013- Jan 2014

Associate Web Developer

- Worked on developing the core product ([MS Live](#)) using PHP, HTML, CSS and JQuery.
- Developed several automations for generating reports using Python Selenium.

PROJECTS & PUBLICATIONS

- **MAXIMA** [Team Size: 4]

Role: Architect and Developer

Tools Used: R, Kafka, Flask-python, Twilio, and Apache Cassandra

This is a product recommendation web application system using Business Intelligence, which recognize patterns in sales using Association Rule Mining (ARM) and helps in customer retention.

- **Research Funding BiTech Automation**[Personal Project]

Role: Developer

Tools Used: Flask-python, HTML5, CSS3, NLP Keyword Extraction, JSON, python-Selenium

The key functions of the project involve extraction of keywords from the funding opportunity document and thereby ranking the keywords based on multiple factors, web-scraping other funding related information from the funding research link and automating the process of adding the funding opportunity to the BiTech system.

- ***SPARTAN-DEALS*** [Team Size: 6]
Role: Team-Lead, Architect and Developer
Tools Used: PHP, JavaScript, JQuery, MySQL, JSON and cURL
 A Fully Functional E-Commerce Market-Place application like Amazon which includes several features like product tracking system, instant product search feature, review system, product ranking, PayPal integration and many more.
- ***NOTIFY*** [Personal Project]
Role: Developer
Tools Used: Django-python, HTML5, CSS3, Bootstrap and Twilio system.
 Notify is a small but useful personal task organizer web application. Using this system, we can create, edit, delete reminders and get notified through email and mobile message notifications.
- ***Tap2Pay Money Transactions using Near-field Communications*** [Team Size: 3]
Role: Team-Lead and Developer
Tools Used: C#, XAML, Visual Studio, NFC API, Windows 8.1 app
 This project explores new ways in payment transaction system through NFC enabled mobile phones. It uses Near-field Communication (NFC) technology to exchange payment information between the users and then updates the same to the respective bank servers about the transaction.
- Published a research paper titled “***Wireless Voice Intercom System using ZigBee Technology***” which achieved in devising an intercom system with high power efficiency and less interference.

CERTIFICATIONS

- Oracle Certified Professional, Java SE 6 Programmer.
- Oracle Workforce Development Program Certification in Web Component Development using Java Technologies.