Vikash Salvi

+91-9833358361 — salvivikash5@gmail.com — vikashsalvi.github.io — linkedin.in/vikash-salvi

EDUCATION

Dwarkadas. J. Sanghvi College of Engineering, India   *2014-2017*
Bachelor of Engineering in Information Technology   GPA: **7.75**

Vidyalankar Plytechnic, India   *2011-2014*
Diploma in Information Techology   Percent: **84.37**

PUBLICATION

Virtual Simulation of Technical Interviews, **Vikash Salvi**, Adnan Vasanwalla, Niriksha Aute, Abhijit Joshi, **ISBN: 978-1-5386-4008-1**
IEEE International Conference on Computing, Communication, Control and Automation 2017.

PROFESSIONAL EXPERIENCE

Software Engineer, JPMorgan Chase & Co.   *July'17-present*
Corporate and Investment Banking, Mumbai, India

- Developed an application in Python which can read emails containing unstructured financial data using NLP, and can classify it using email classifier. The application helped in automating existing process, reducing 75% of efforts and cost.Used Sk-learn, Nltk, Gunicorn, Nginx and others libraries.
- Developed various applications using Java and Apache Spark which runs on Spark cluster.
- Developied applications using micro-sevice based architecture using Java and Spring Boot.

Developer Intern, Softkiwi Technologies.   *Dec'15-Feb'16*

- Worked as full stack ASP.Net developer.
- Developed a web application using MVC architecture and contributed in developing dynamic dashboard with multiple functionalities. Used ASP.Net, HTML, CSS, Jacascript an JQuery.

TECHNICAL SKILLS

- **Programming Languages & Frameworks**: C, C++ (STL), Java, Python, Scala (basic), Groovy.
- **Web Development**: Java Spring Boot, Spring MVC, Django (basic), HTML, CSS, JavaScript, ASP.Net, PHP.
- **Database**: SQL, NoSQL (basic), HBase.
- **Mobile Application Development**: Android development, Ionic.

PROJECTS

Virtual Simulation of Technical Interviews
- Conducting simulated technical aptitude and face to face interviews.
- Does Resume mining using Api.ai, where entities and intents are created to identify various features from users resume. Aptitude interview are then conducted on the Android application.
- A 3D human model developed in Unity which simulates face to face interview, user answerers through voice, the answer correctness is verified using Natural Language Processing techniques like semantic and syntactic analysis along with Manhattan and Euclidean distance. HAAR cascade and Fisher Face algorithm is used to capture users facial emotions for calculating confidence level of user.
- **Tools and Technologies used**: Python, OpenCV, Api.ai, PHP, Android

Sentiment Analysis of realtime twitter stream using Apache Storm
- Created chain of bolts which accumulate stream of live tweets coming from twitter.
- Sequence of Storm bolts arranged to accept, process and find sentiment of a tweet categorising it as positive or negative.
- Used book of words method along with false positive and false negative unbiasing.
- **Tools and Technologies used**: Python Nltk, Apache Storm, Twitter API

Link prediction for social networks
- Predict a future link between two entities of a social network.
- Based on social network graph ran Jaccard's Coefficient and Common Neighbors methods for link prediction.
- **Tools and Technologies used**: Python, Numpy and Matplotlib.

Trishul (NGO) - Web Application
- An online shopping and management website along with volunteering events generation system for the NGO, developed as a part of Codeshastra hackathon.
- Also provided a multi-lingual support featuring English, Hindi, and Marathi languages.
- **Tools and Technologies used**: PHP, MySql, HTML, Bootstrap framework, and CSS.

Other Projects
- **Image filter**: Android application which can apply various filter based on user preference on a image taken by camera or gallery.
- Webmaster and creator of the DJ Sanghvi Placement portal where, students share their interview experience of different companies. (www.placementportalesy.es).
- **Banking System**: A banking application based on distributed computing aspect, using Remote Method Invocation technique developed in Java.

VOLUNTARY WORK

Make A Wish India *Sept'17-Mar'18*
- Participated in **Force For Good** an initiative by **JPMorgan** which tries to help NGO's by providing solutions for automating their existing systems.
- Developed an hybrid mobile application which can run on Android, IOS and other mobile platforms for Make A Wish India. Automated their existing manual process and digitised them. Used Ionic and Angular JS for developing the application.

Swasth *Feb'16-Mar'16*
- Developed Android application which can work online & offline, web application and IVRS system for **Swasth** NGO in an initiative called **Deep Blue** by **Mastek Ltd**.

ACHIEVEMENTS & EXTRA-CURRICULAR

- **First runner up** amongst 120 participant in project Deep Blue organized by Mastek ltd.
- Represented DJ Sanghvi and was **finalist** at Games for Code 2015 organzed by Don Bosco Institute of Technology, Onsite Coding Contest.
- Semi finalist at **TCS Codevita** Challenge 2016.
- Ranked 3rd in college at the **ACM-ICPC Kharagpur** Asia Regionals 2015 Coding Contest.
- Runner-up at DJ CSI **Codeshastra Hackathon** 2016.
- **Winner** of inter-college project competition for "Admin Control" held by **Vidyalankar Polytechnic**.
- Certified **Microsoft Technical Associate**, completed certification of Web development level 2.
- Completed certification of **Hadoop infrastructure and fraeworks**, provided by Coursera 2017.
- Completed "**Fundamentals of Apache Spark**"and "**Machiine learnig**" courses from pluralsight.
- Taught **Competitive coding and Data Structures** to 2rd year students in DJ Sanghvi.