

# Arvind Mishra

## Curriculum Vitae

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📁 [portfolio-link](#)



"Lets keep our dreams alive"

### Education

- 2014–2018 **B-Tech in Computer Science and Engg.**, Mumbai University, 7.5/ 10 .
- 2012–2014 **Matriculation**, Maharashtra Board, 81.62%.
- 2010–2012 **High School**, Maharashtra Board, 92%.

### Major Project

- Title *Smart conversational shopping assistant*
- Description A conversational shopping assistant AI bot that helps you buy product at the best price from various providers. It remembers your preference and helps you by giving recommendation and feedback. The bot uses NLP for the conversational flow, Query optimisation and scaline decomposition for recommendation on incomplete dataset. The backend is based on django and processing is done via scikit-learn and tf. The published paper for the same will be available on springer.

### Projects and Internships

- project **Social Network**, FLASK SOCIAL NETWORK.  
A social platform for giving feedback and texting other users
- project **Django Blog**, PYTHON SQLALCHEMY DJANGO.  
Blog using Django with MVC framework. My First website developed using a MVC framework. Learned how to configure and host on a heroku.
- project **A do list app**, RUBY ON RAILS.  
A to-do list app on ROR with very basic functionality for CRUD. Developed as a part of learning ROR.
- project **Weather iOS app**, IOS WITH WEBSCRAPPING.  
Learned how to use data of any other website using Web Scraping. Learned UI Views and MVC patterns on iOS apps.
- project **rocket-Man**, PYGAME, PYTHON, SQLITE3.  
Classic argade game with functionalities like persistent high-scores, sessions
- certification **Linux**, SSH, SAMBA, SHELL, FILESYSTEMS.  
Passed with 90 [verify](#)

2011–2016 **legfeet.com**, DNS, DOMAIN REGISTRATIONS, A-RECORDS.

I have a website - legfeet.com (every thing at your feet), I made it myself when I was in 9th grade. And have been maintaining it since then. Based on the Wordpress installation. I maintained it for 8 years.

project **Blog reader app**, ANDROID APP, JSON, WORDPRESS PLUGINS.

I have a website - [lyrianablog](#) The website contains poems and writings with good tone towards life as an adult. I needed an app for the same so users can view the same. A blog reader app reading the JSON from the site and rendering it same to the view was the way to go

Social **offline wikipedia**, SQL DUMPS, CMS, WIKIMEDIA.

Wikipedia releases the content every day in form of tar files. They call it dumps. There's a method to make the site available offline. I used of the methods to provide offline Wikipedia in rural area for children. This was mentioned and verified by Teach for India. And even appreciated and was given internship for the same

project 2013 **mediaLAN server**, LAN STREAM, MEDIA SERVER, SAMBA.

When plex wasn't a thing and media server were rare. A media server was a big thing in a house. A samba based media server and

project **Gprofiler**, GITHUB API, ANGULAR, HTML.

Github Profile search with Angular using Github API

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## Paper

title **Alfred - Conversational AI bot**, NLP, QUERY OPTIMISATION, LATEX.

A paper on conversational shopping assistant bot. The springer paper for the same in under review.

title **2FA authentication**, MFA, 2FA, HASHING, TIMESTAMP.

A paper on python cryptographic hash function and use of multi-factor authentication

title **SMBCRY exploit**, WANNACRY, SMB PROTOCOL, BUG.

WannaCry affected almost millions of computers. Using a simple exploit in the SBM protocol. A detail study and simulating the whole process in a sandbox environment. **SMBCRY** just the paper :p

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## Programming Languages

Programming  
Languauge PYTHON, C++, JAVA

Web ANGULAR, HTML, JSP

IDE ECLIPSE, INTELLIJ

Technologies MVC, DB, DJANGO ORM, FLASK WEB-API

Database MySQL, 11g

OS Windows, Linux, macOS

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## Programming skills

OS I have experience in operations on various Open-source and prop. like Sun solaris and System V, I have handled Debian 9 and other Linux variants like charm. Installation of OS, modifying kernels or any other OS related

algorithms I am always aware of the runtimes and their impact on the systems. I am *not* a red coder in designing algorithms but can learn them and apply quite well. My [Codechef profile](#) Basically I am bad at competitive Coding but I can do well in critical thinking.

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## Achievements and Award

Jan – 2018 Was in top 1500 Rank in Codechef Jan Long Challenge - [Jan Long](#)  
Apr 06, 2017 Certificate of Excellence in PHP -Techgig  
Oct – 2016 Bronze Medal in Hackerrank's Week of Code 24  
Jun – 2017 Secured 2591 Rank in Snackdown 2017 Codechef [Snackdown](#)  
Innovation award Google Innovation certificate for designing better alternative to electrical system  
Running I used to weigh 125Kg in my first year. Now I run 5KM everyday. It taught me importance of *discipline* in life than anything else. I am BLUE ran more than 1000KM runner on NRC

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## Languages

English **Fluent**  
Hindi **Fluent**

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## Interest

competitive Programming I am very much interested in solving problems. I compete on hackerrank and codechef and codeforces [codechef](#) [Github](#) [bitbucket](#)  
Chess I was introduced to this game about a year ago. I play QDG and Slav  
Badminton I am in love with this sport