Arvind Mishra

Curriculum Vitae

Flat-202
plot-78, Sec-19/c, Koparkhairne
✆ *(+91) 9819316032*
✉ *mishraarvind2222@gmail.com*
⌨ portfolio-link

"Let's live our dreams alive"

Education

2020–2022	**MIS**, *Mc Gill*, 4.2.
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%.

Experience

2018–2020	**Tata Consultancy Services Limited**, *Java Developer*, Core Java, Spring MVC, JSP Technologies.
2022–2025	**Microsoft**, *Senior Python Developer*, Python, Flask, Django, Core Java, Spring MVC, JSP Technologies.
2025–2030	**Google**, *Senior Developer*, GoLang, Python, GoLang for web.
2030–current	**Legfeet Consultancy**, *CTO*, Various Roles ranging from leading business and managing various positions.

MS - Major Project

Title	*Managing scheduling of Large dataset with improved complexity*
Description	The scheduling algorithm with improved complexity for the Mumbai Locals *India*. Improving the current time by 24%.

BE - Major Project

Title	*Smart conversational shopping assistant*
Description	A conversational shopping assistant AI bot that helps user buy product at the best price from various providers. It remembers the user's preference and helps by giving recommendation. 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 dialog flow is based on *Google dialog flow*. Springer paper link for the same will be available after peer review.

Projects and Internships

Internship   **Backend optimisations**, Bank of America.

Optimisation of various process from database queries, reducing the overall timings for the same

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   **Scheduler iOS app**, iOS, management .

iOS app for managing your personal documents and notes. Makes tags to store the document securely and documents pdfs for reading on the go with scheduler

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

Paper

title   **Managing Data reliably**, Security, data management, optimisation.

A paper on management of critical client data in the service based industry. Solutions to various scenarioss and creating solution of the problem related to the sharing of data.

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

Programming Languages

Programming Langauge	PYTHON, C++, JAVA
Web	ANGULAR, HTML, JSP
IDE	ECLIPSE, INTELLIJ
Technologies	MVC, DB, DJANGO ORM, FLASK WEB-API
Database	MYSQL, ORACLE 11G
OS	Windows, Linux, macOS, Solaris

Programming skills

OS	I have experience in operations on various Open-source projects and OS like Sun solaris and System V, I can handled Debian 9 and other Linux variants.
algorithms	I am always aware of the performance runtimes and their impact on the systems. I am *not* a red coder in designing algorithms but know how important the impact can be. My Codechef profile I am somewhat not good at competitive Coding but I appreciate critical thinking.

Certification

OCAJP	Oracle Certified Associate in Java 8
OCPJP	Oracle Certified Professional in Java 8
RedHat Linux	Certificate on Redhat Enterprise Linux 7
AWS EC3	Certification on Amazon EC3

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

Languages

English	**Fluent**

French	**Fluent**

Interest

competitive Programming	I am very much interested in solving problems. I compete on hackerrank and codechef and codeforces codechef Github bitbucket
Chess	I like playing chess very much.