

# PAWAR AVINASH MADHUKAR

Bloomington, Indiana | Phone: +1 812 272 0824 | Email: [avipawar@iu.edu](mailto:avipawar@iu.edu) | Web: [avinashpawar.ml](http://avinashpawar.ml)

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## EDUCATION:

### INDIANA UNIVERSITY BLOOMINGTON

*Master of Science in Data Science*

Bloomington, IN

2021 - Present

- **Relevant Courses** – Engineering Cloud Computing, Advanced Database Concepts, Intro to Statistics

### DEPARTMENT OF TECHNOLOGY, SHIVAJI UNIVERSITY

*Bachelor of Technology, Computer Science (CGPA: 8.62)*

Kolhapur, India

2016-2020

- **Relevant Courses** – Data Structure, Network Engineering, Digital System and Microprocessor, Discrete Mathematics, Theory of Computation, Computer Networks, Data Mining, Operating Systems, Computer Graphics, System Programming, Computer Algorithms, Database Engineering, Compiler Construction, Distributed System, Soft computing
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## WORK EXPERIENCE:

### Digital Microsys Technologies

*Full Stack Developer*

Kolhapur, India

May 2019 - May 2020

- Worked as Team lead for Full Stack Development team. Designed Front end User Interfaces for various web applications and Designed Databases.
- Maximized applications data quality, operability, flexibility. Increased efficiency by 20%.
- Used various ideas from distributed computing solve challenging dataset problems.

### Digital Microsys Technologies

*Front End Web Design and Java Developer Intern*

Kolhapur, India

May 2018 – July 2018

- Worked as Front-End Designer and Java Developer. Designed Inventory Management tools from the Scratch. The tools were meant to get the more insights from the inventory.
  - Assisted for Designing various other Front end User Interfaces.
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## PROJECTS:

### ▪ Map Reduce based Search Engine:

Scripted a Bot script to download 1000+ txt format books from Project Gutenberg and index the words from the files. Programmed Mapper and Reducer functions using NodeJS and deployed as Google cloud functions. Constructed a web UI that searches through this data output and gives results in less than 1s, also has advanced option where you can provide your open file links to test.

### ▪ COVID-19 Awareness Program Quiz:

Programmed and deployed an online Awareness quiz as part of COVID-19 Awareness Campaign for Shivaji University, Kolhapur. The entire project is made using GitHub pages and Google sheets as backend hence has no cost at all for deployment. Have more than **1 Million** unique responses in launch week.

### ▪ Voice Assistant for Smart Mirror:

Simple voice Assistant for Smart Mirror made from scratch using Python, HTML, CSS, JavaScript, SQL, Angular.JS, Bootstrap framework. Created Weather, Calendar, News apps from the Scratch. Deployed on Raspberry Pi with Linux.

### ▪ Blog Content Manager Tool:

A Web-Based Application for all type of Devices, designed to help users maintain and organize large websites or blogs. As multi-user support like Editors and content writers. Has built in functions of Image upload and Task scheduler. Tools used: Java Server Pages, HTML, CSS, JavaScript, Oracle RDBMS, SQL, Apache Tomcat Server, NetBeans, Eclipse.

### ▪ Answering Bot using annyang JS:

A Simple Bot in JavaScript Speech Recognition library using Bootstrap framework on HTML, CSS, and JavaScript. Has filed set of commands that it detects, and prints results accordingly. Has External search functions on google search.

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## SKILLS:

- **Languages** – JAVA, C, C++, Python, HTML, CSS, JavaScript, R, PHP, JSP
  - **Databases** – SQL, PostgreSQL, Oracle RDBMS, Firebase, MongoDB
  - **IDE and Software** – NetBeans, Code Blocks, Visual Studio Code
  - **Other Software** – Photoshop CC, Adobe Illustrator, Adobe After Effects, Adobe XD
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## LEADERSHIP & VALUNTEER INVOLVEMENT:

- **National Service Scheme Volunteer** (2016-2020). Also, a member of the management and organising team for NSS. With the collaboration of Forest Department Kolhapur and Municipal Corporation of Kolhapur, we periodically arrange public awareness programs like Wildlife week, Cleanliness drives, and seminars. Most of our awareness is tailored toward students and villagers living in eco-sensitive zone.
- **Volunteer** for more than 50 wildlife conservation and awareness programmes with **Hon. Wildlife Warden of Kolhapur, Mr. Raman Kulkarni**.
- **Wildlife and Animal Rescuer volunteer:** Volunteer of team as wildlife and animal rescuer for Shivaji University, Kolhapur area.
- Co-founder at the “**CodeSpace**” coding club at the Department of Technology, Shivaji University, Kolhapur.
- **Best Documentary Award:** Directed and Edited Award-winning documentary for “Kirkoskar Green College Clean College” Competition 2019-20 organised by Kirkoskar Vasundhara Group.
- **Committee Head** for the “**Sanganan 2018**” event organized on Engineers Day 2018.
- **Head of Management team** for “**Symphony 2018**” annual cultural event.