



## EDUCATION

### Master of Science in Computer Science

Arizona State University, Tempe, AZ

May 2021

3.74/4 GPA

**RELEVANT COURSEWORK**- Data Mining, Info Assurance & Security, Distributed Database Systems, Data Visualization.

### Bachelor of Engineering in Computer Science and Engineering

Savitribai Phule Pune University, Pune, India

May 2019

8.82/10 GPA

**RELEVANT COURSEWORK**- High Performance Computing, Cloud Computing, Data Analysis, Advanced Data Structures, Software Engineering & Project Management, Soft Computing & Optimization Algorithms, Software Modeling & Design.

## TECHNICAL SKILLS

- **Programming:** Python, Java, C#, C++, C, Clingo (ASP), JavaScript, HTML5, CSS, Bootstrap, D3.js, React.js, Scala
- **Technologies:** AWS, Tableau, Android, WordPress, Git, Docker, Selenium, Visual Studio
- **Databases:** PostgreSQL, MySQL, Oracle, MongoDB

## PROFESSIONAL EXPERIENCE

### Arizona State University: USA | Web Developer

Dec 2019 – Present

- Developed, redesigned, and managed Arizona State University websites from scratch using **WordPress, HTML & CSS**.
- Assisted students & faculty with **debugging their codes** along with other IT related **hardware and software issues**.

### InProspect Technologies: India | Android Developer (Intern)

Jun 2018 – Aug 2018

- Led the **UI & UX Design** team on **Material Design** schematics for building an education eccentric android application.
- Administered **User Analytics**, Front-end & Back-end app development using **Python & Java for Android**.
- Collaborated in grooming, optimizing & testing various algorithms leading to **30% increased processing efficiency**.

### A.B. Enterprises: India | Software Engineer (Intern)

April 2017 – March 2018

- Implemented & deployed a **Stock Management & Sale Analysis** Software using **Java, Python, MySQL & MongoDB**.
- Constructed a local **cloud server** for inhouse technical management of computer software and printers.
- Attained **20% increased work productivity & profits** from the introduction of management software for the company.

## ACADEMIC PROJECTS

### Post-Disaster Visualization Dashboard (*VAST-2019: MC3*)

Fall 2020

- Developed an **interactive visualization dashboard** to determine the problems in a city after a disaster, recommend allocation of emergency resources within the neighborhoods & gather deeper insights using social data of its citizens.
- Programmed the dashboard using **HTML5, CSS, JavaScript and D3.js**.

### Geospatial Hotspot Analysis

Fall 2020

- Performed two different types of geospatial hotspot analysis: Hot zone analysis and Hot cell analysis on a joint point and rectangle dataset, and a NYC taxi trip dataset (2009 - 2012) using **Apache Spark - Scala**.

### Information Dissemination in a Graph

Fall 2019

- Implemented information dissemination to observe the propagation of an entity like a meme or a virus using **Python**.
- Integrated the algorithms (**NetShield, K-Edge addition & deletion**) into an ensemble system to maximize or minimize information spread through a network which can be used to stop a virus or spread information on the web.

### Software Development for Laser Marking Machines

Fall 2018 - Spring 2019

- Assembled 3 modules: Automation of laser marking jobs, camera orientation & image correction, & real-time error detection into a desktop software for automating the laser marking machines.
- Engineered the software using **C#, Java, VS19, Python** & also published a paper in an *International Journal (IJIRSET)*.

### Online Forum & Socialization Platform

Fall 2018

- Launched a college-level personal forum for student-student, teacher-student & administration interaction for promoting online announcements, in-college socialization & academic discussions in **VIIT, Pune**.
- Deployed the web app & the desktop software end using **Java, HTML5, AWS, CSS, SQL, JavaScript & Bootstrap**.