

SOHA ANANT PARASNIS

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Education

The University of Texas at Dallas **August 2021 - May 2023 (Expected)**

Master of Science in Computer Science, GPA: 3.84/4.0 *Dallas, TX*

- **Relevant Coursework:** Database Design, Design and Analysis of Algorithms, Statistical Methods for Data Science.

MKSSS's Cummins College of Engineering for Women **July 2016 - May 2020**

Bachelor of Technology in Computer Engineering, CGPA: 8.73/10.0 *Pune, India*

- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Cloud Computing.

Technical Skills

Programming: Python, JAVA, HTML/CSS, R, VBA

Tech: Hadoop, Jupyter Notebook, Git, MS Excel

Databases: MongoDB, MySQL, Hive

Frameworks: NodeJS, Docker

Work Experience

IBM **August 2019 – April 2020**

Student Developer *Pune, India*

- Developed a JAVA library for implementation of a communication protocol, Key Management Interoperability Protocol (KMIP) v2.0, which provides developers secure ways to manage keys and other cryptographic objects on the IBM SKLM server (Secure Key Lifecycle Manager).
- Ensured that this IBM sponsored project is open-source, extensible and scalable.
- Provided support for 4 symmetric key and 4 asymmetric key test cases, according to official KMIP v2.0 test cases.
- Provided a client application for smooth end-to-end communication between user and IBM SKLM.

Eaton India Innovation Center **May 2019 – July 2019**

Software Developer Intern *Pune, India*

- Busway Sustaining Drawing Automation: developed and deployed automation for ESSG, using AutoCAD VBA, to reduce turnaround time by approx. 30 percent per drawing, which estimates to be around 1500 hours saved annually.
- The busway team uses a customized AutoCAD toolbar to use the various automations.

Projects

xlr8 - Car Rentals Full-Stack WebApp | *NodeJS, React, MongoDB, HTML, CSS* **November 2021**

- Developed a full-stack web app for car rentals.
- Implemented features of login, signup, booking a car for customers.
- Utilized NodeJS to create the API endpoints (login, signup, booking, admin) and made use of React to consume those endpoints.
- Provided additional feature of admin access where admin can add, delete, edit the details of a rental car.

Titanic Survival Prediction | *Python* **November 2018**

- Utilized a random forest classifier to predict whether a passenger survived or not aboard the Titanic.
- Worked on the various steps in the process like feature engineering, data preprocessing, data analysis and testing the model.

ZIVIMA - Bridging The Gap | *HTML, CSS, Javascript, SQL, PHP* **March 2018**

- Collaborated with a team of 6, for Smart India Hackathon 2018 (Govt. of India), to develop a district development portal, with the aim to facilitate communication between officials and citizens.

Leadership / Extracurricular

Association for Computing Machinery (ACM)

Student Member

- Active member of ACM-W CCOEW, helped in setting problem statements for coding contest organized by ACM-W CCOEW.
- Got selected for and attended **ACM India Winter School on Hybrid Cloud** (9th to 14th January 2020) hosted by **Indian Institute of Science (IISc), Bangalore** and jointly offered by **IISc, Bangalore** and **IBM**. Topics included lectures and hands-on about **cloud as a distributed system and service, application development for hybrid cloud, containers and more.**