

SUMMARY

- 3 years of experience in agile development for web applications, database systems and distributed systems.
- Solid understanding of Data structures, Algorithms and Object-oriented design concepts.

EDUCATION

University at Buffalo

08/2019 – 12/2020

Master of Science, Computer Science | **GPA:3.6/4**

Coursework: Algorithms analysis and design, Machine Learning, Information Retrieval, Object Oriented Design, Distributed Systems, Database Systems, Data Intensive Computing

University of Pune

08/2012 – 05/2016

Bachelor of Engineering, Electronics | **GPA: 8.2/10**

SKILLS

Languages/Framework: Python, Java, ReactJS, Spring Boot, Scala, TensorFlow, Hadoop, Kafka, CSS, HTML

Databases: MySQL, PostgreSQL, MongoDB, Prometheus

Tools / OS: Perforce, Git, AWS EC2, REST, Postman, Solr, Grafana, Qt, Linux, Windows

PROFESSIONAL EXPERIENCE

Software Intern | Tesla

06/2020 - Present

- Developing a web application for server health monitoring and automating infrastructure management tasks.
- Working on time series databases to analyze the server failure patterns for database engineering team. This tool has prevented the server failures and reduced the response time for failures by 32%.

Software Engineer | Harman International(Samsung)

08/2016 – 06/2019

- Contributed to system design, implementation, testing, delivery, and operation of components for Automotive infotainment and ADAS systems.
- Responsible for HMI and multimedia application development on arm based SoC in Qt framework.
- Designed middleware and device driver layers on Linux OS to handle project specifications.

Student Mentor | Udacity

11/2017 – 12/2018

- Mentor and project reviewer for 400 students of Udacity Robotics Nanodegree.

PROJECTS AND ACADEMIC RESEARCH

NFTA

Java, Android, ReactJS

- Developed an android application and web application for **Niagara Frontier Transportation Authority** to reduce the communication gap between infield maintenance crew and the service planning department.
- This application reduced the communication time and increased the operational efficiency by 22%.

Simple Amazon DynamoDB

Java, Android

- Designed a Dynamo style distributed key-value storage with partitioning, replication and fault tolerance as key components. The systems provided both availability and linearizability at the same time.

Search System for Twitter

Python, Java, React JS

- Built a search engine that retrieves relevant tweets and articles using Apache Solr, performs sentiment analysis for analyzing the social impact of US elections based on twitter and google news data. Hosted the web application on AWS EC2.

Self-Driving Car Development | [GitHub](#)

Python, Tensorflow

- Implemented lane line detection, vehicle detection and tracking, traffic light detection and path planning modules for an autonomous vehicle. The modules were tested on a simulator and finally deployed to Udacity autonomous vehicle Carla.