

# Kishan Kumar

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## EDUCATION

**University of Mumbai** - Mumbai, India

**May 2019**

*Bachelor of Engineering in Electronics and Telecommunication* | Class Representative | CGPA: 8.99/10.0

Relevant Coursework: Applied Mathematics, Structured Programming Approach, Operating System, Image and Video Processing, Object-Oriented Programming Methodology Lab., Microprocessors & Peripherals, Computer Communication & Telecom Networks

## TECHNICAL SKILLS

**Programming Languages:** Python, C++, Java

**Web Technologies and Frameworks:** HTML5, JavaScript, CSS3, Sass, jQuery, Angular, React, PrimeNG, Bootstrap, Chart.js, Apache Echarts, Gulp.js, Postman, Node.js

**Data Engineering Technologies:** Apache Spark, Hadoop, SQL, Scala, Apache Airflow

**OS/Dev Software:** Linux, Windows, Jenkins, Kubernetes, Microsoft Azure, Git, Visual Studio Code

**Databases:** MySQL, Apache Cassandra

## CERTIFICATIONS

- Front-End Web Development with React by Hong Kong University of Science & Technology, Coursera (Grade: 100%)
- HTML, CSS, and JavaScript for Web Developers by Johns Hopkins University, Coursera (Grade: 100%)
- Object Oriented Programming Using C++ (4 credit course) by NIIT (Grade: A-)

## PROFESSIONAL EXPERIENCE

**Jio Platforms Limited** | Associate Developer | Mumbai, India

**June 2019 - Present**

- Designed and developed Data Visualization Web Dashboards using Angular that provide tabular & graphical representations of KPIs (key performance indicator) of several Jio Media Applications, which reduced 90% of manual querying of data and streamlined the process of generating performance reports
- Collaborated with a team of 8 to design and develop the user interface of a work management platform using Angular and PrimeNG, which allows users to plan, track and manage different projects
- Developed and deployed efficient Apache Spark applications on Kubernetes server for processing data of more than 10 million daily active users of popular jio media apps such as JioTV, JioNews, and JioCinema to fulfill ad-hoc business requirements
- Automated code deployment by configuring continuous integration, delivery, and deployment pipelines using Jenkins as an automation tool
- Trained and mentored new hires on web development fundamentals, architecture of data analytics web dashboards, and code deployment automation

**Reliance Jio Infocomm Limited** | Intern | Mumbai, India

**June 2018 - July 2018**

- Assisted the quality assurance team with the overall functionality & maintenance of different types of Antennas used in 4G mobile towers across the country

## ACADEMIC PROJECTS

**Pyrobot** | University of Mumbai, Mumbai, India

**June 2018 - April 2019**

- Developed an Autonomous Fire Detection and Control System, which included a camera system inside a room that detected fire using convolutional neural network with an accuracy of up to 80% and a robot capable of autonomously navigating to the room and putting out the fire
- Implemented fire suppression mechanism using a high torque servo motor to control the operation of a class ABC fire extinguisher
- Developed an Android Application to control all the robot's functions manually on a local wireless network

**Autonomous Fire Fighting Robot** | University of Mumbai, Mumbai, India

**December 2017 - May 2018**

- Developed an autonomous robot that detected fire nearby by combining the results of the image processing algorithm in MATLAB and sensors (infrared, temperature, and smoke) readings connected to Arduino

## AWARDS & ACHIEVEMENTS

**Second prize in Srijan** | Ramrao Adik Institute of Technology, Mumbai, India

**April 2019**

- Led a team of 4 to build and demonstrate a project under the hardware projects category for Srijan, a National Level Project Competition which aims at motivating undergraduate & postgraduate students to carry out research

**Regional Finalist in eYIC** | Indian Institute of Technology, Mumbai, India

**February 2019**

- Led a team of 4 to build a project for e-Yantra Ideas Competition (eYIC), a National Level Project Competition that focuses on Innovation & Entrepreneurship