

# Tarun Kumar Jain

Portfolio: tarunjain1st.github.io

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## EDUCATION

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- **Teerthanker Mahaveer University** Moradabad, India  
*Bachelor of Technology - Information Technology; GPA: 8.1* *August 2017 - May 2021*  
*Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

## SKILLS

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- **Languages** Python, PHP, C++, JavaScript, MySQL
- **Frameworks** Requests, Pandas, Numpy, Flask, MongoDB
- **Tools** Kubernetes, Docker, GIT, JIRA, IBM z/OS
- **Platforms** Linux, Azure, Bitbucket

## PROFESSIONAL EXPERIENCE

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- **Infosys Ltd.** Pune, India  
*System Engineer (Full-time)* *Sept 2021 - Present*
  - **Achievements:** Engineered and deployed a scalable RESTful API with Flask/Python and MongoDB, also implementing authentication and authorization mechanisms using JWT tokens, which led to 80% increase in user engagement and reduced on-boarding time by weeks for thousands of resources
  - Implemented Agile SDLC methodology, including Scrum on various projects, resulting in increased efficiency and improved collaboration among organizations (100%)
  - Proficient in Agile SDLC methodology, including impact analysis, design document (HLD & LLD) creation, coding and module changes, and generating SonarQube reports which compromises 100% of client deliveries
  - **Accomplishments:** Led a team of 6 developers in the successful delivery of a complex project, resulting in high client satisfaction and recognition from senior management.
- **ROSTAN Technologies Pvt. Ltd.** Gurgaon, Haryana  
*Industrial Training (Data Science)* *Oct 2019 - Nov 2019*
  - Participated in an intensive 6-week data science training program designed to prepare participants for real-world data science roles.
  - Worked on capstone projects (Auto MPG) related to data preprocessing, data visualization, and machine learning algorithms, contributing my 100% towards the project's completion
  - Collaborated with other developers to build predictive models for fuel economy (mpg) using linear regression model, achieving a accuracy rate of 70% to 80%, where range depends input training data-set

## PROJECTS

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- **Gideon - Personal assistant system (Autonomous-Robot, Voice assistant, Web Dashboard)** - presented year end assessment graduation project which was developed in 1yr & half duration time span
  - **Objective:** Research oriented IoT model to implemented functionality of Alexa voice assistant feature to a movable robotic vehicle system.
  - **Functional:** System is capable to transmitting real-time sensors data & camera feeds to make necessary decisions conducive to trigger motion and alert which needed, can show video feed and graph on a visual web dashboard.
  - **Technology Used:** Python, Flask, MongoDB, HTML, CSS, JavaScript, Serial, Open-CV, Socket, Raspberry PI, Arduino, Embedded C.
- **Smart Autonomous Parking System (Hackathon Project) IMS, Ghaziabad - 2019** - participated in IoT hackathon event and won 2nd rank for the presented solution to the organizers and management
  - **Objective:** A facial recognition system which allocate parking slot for respective user, based on the reserved information and available slots.
  - **Functional:** System is capable of processing multiple logical nodes and camera modules to recognize and validate users face intended for assigning vacant slot.
  - **Technology Used:** Python, MongoDB, Serial, Open-CV, Raspberry PI, Arduino, Embedded C.

## CERTIFICATIONS

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- **Python 3 Programming Specialization (Coursera - VTPCHHUDDCWN)** undergone through online course basic to advance topics and libraries with final capstone project.

## HONORS AND AWARDS

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- Awarded with Client appreciation certificate for project deliveries (Infosys, Hyderabad) - March, 2023
- Awarded with SOH excellence RISE award for exceptional performance (Infosys, Pune) - August, 2022