

# VIVEK KUMAR TIWARI

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## EXPERIENCE

### Tata Consultancy Services

Jun'21-Present

*Backend Developer - Azure E2C, Microsoft Business Unit*

- Develop and design RESTful microservice APIs with Flask and Python.
- Develop keyrotation strategies for multiple Azure services including IoT Hub, Logic Apps, Databricks, etc.
- Build microservices that automate client-side tasks such as Databricks provisioning with the help of Terraform, key rotation, enforcement, etc.
- Write back-end validations to ensure that flows are correct across multiple entry points.
- Perform behavior-driven development, unit testing and continuous integration to keep in line with Agile Software Methodology principles.
- Use and configure CI/CD tooling, version control and processes; deliver defined product commitments on agreed timelines with sustainable quality.

## SKILLS

Programming Language: Python  
Web Development: HTML, CSS, Flask  
Cloud & Database: Azure, familiar with AWS, Microsoft SQL Server  
Tools/Misc: REST APIs, Jira, Confluence, Docker, Git, Pylint, Microservice Architecture, Behaviour Driven Development (behave), Unit Testing, Postman, RegEx, Jenkins, Sonarqube, Bitbucket, Swagger UI

## PROJECT & RESEARCH

### Project Kashi Django, Python / Oct'21

A hardware bottlenecking estimator targeted towards enterprise-grade users and data centers. The website used popular datacenter configurations to suggest a configuration with the least bottleneck. No such solutions existed in the market during the creation of this project.

### DGWHyperloop Emerging Technology & Research

Wrote paper on 'Algorithmic Analysis of Indian Hyperloop Corridors'. Worked on laying foundation of Asia's first Hyperloop company. Hyperloop is a high-speed transportation project.

## INTERNSHIP & COMMUNITY PROJECTS

- **Mithrilverse.io:** Remote, Python Backend Developer (Django), Nov'21
- **Urelas Shopping,** Remote, Python Developer Intern, Jan'20-Jul'20

## EDUCATION

<b>Sri Aurobindo Institute of Technology (RGPV)</b>	Indore, MP
B. Tech. (Hons) Computer Science Engineering <i>CGPA: 7.87</i>	2017 - 2021
<b>Career Convent School</b>	Indore, MP
XII (Intermediate +2) <i>68.6%</i>	2016 - 17
<b>Prestige Public School</b>	Indore, MP
X (Matriculation) <i>CGPA: 7.6</i>	2013 - 14

## CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals (AZ-900)
- IBM: Data Science Specialization

## EXTRACURRICULAR ACHIEVEMENTS

- International runner up, Hyperloop One Global Challenge - represented India.
- Star Performer of the Institute Award, SAIT, 2021.
- Award For Extraordinary Performance, PIEMR Indore, 2020.
- Among national top scorers, TCS NQT 2020.