

Akshay Shashikant Rajguru

Software Developer | Pune, Maharashtra, India

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ABOUT

- **Backend web developer** with experience in **Python web development** with a primary focus on the development of all server-side logic, and API development, ensuring high performance and responsiveness to requests from the front-end.
- Collaborative team player and **Agile practitioner** with **3+ years** of experience and proficiency in object-oriented methodologies, programming, data analysis, data analytics, and user interface development.
- Knowledgeable of frontend and backend requirements and familiar with **RESTful APIs**.
- Designed and developed efficient and maintainable software according to business objectives and the needs of various clients with a **Customer Satisfaction Index > 95%** in automotive and finance domains.
- Maintained complex technology architecture and collaborated with the product team to implement new features and strategically plan for future projects.

TECHNICAL SKILLS

Front-end	Back-end	Tools	UI / Ux Test	Source Control
HTML5	Python	NumPy, OpenCV	pytest / unittest	Git
CSS3	MongoDB	Pandas, Matplotlib	Robot / Selenium	BitBucket
Bootstrap	MySQL	Azure Functions, PyMongo		GitHub
JavaScript	REST API	Django, Django REST framework		

ACADEMIC QUALIFICATIONS

Qualifications	Year	College/School/Institute	University	Percentage
B.E. - Electronics & Telecommunication	2018	PVG's College of Engineering and Technology, Pune	Savitribai Phule Pune University	66.22%
12 th Std.	2014	Purandar Junior College, Saswad	Maharashtra Board	77.54%
10 th Std.	2012	MES Waghire High School, Saswad	Maharashtra Board	93.03%

PROFESSIONAL EXPERIENCE

Tata Consultancy Services | Full-time | 3 years 8 months | Pune, Maharashtra, India

Systems Engineer | Tata Consultancy Services (Client: Swiss Reinsurance) | December 2021 – Current

- Implementing **REST APIs** using Python **Azure HTTP Trigger Functions** and **Azure Durable Functions** using **serverless** architecture.
- Developing backend logic in **Python** for calculating risk scores in insurance portals. Using **PyMongo** to work with **MongoDB** for local testing and managing databases using **Azure CosmosDB**.
- Headed the development and maintenance of new APIs using the Python **requests** module for integrating them with clients finance related websites.
- Responsible for managing the interchange of data between the client-side and server-side.

Systems Engineer | Tata Consultancy Services (Client: Bridgestone) | August 2020 – December 2021

- Implemented Python code to parse and analyze tire footprint image datasets using **Pillow** and **OpenCV** to process tire pressure data.
- Developed backend logic in **Tornado** web framework to calculate various tire footprint metrics using **NumPy** and **SciPy**.
- Exported reports for the footprint metrics in Excel using **Pandas** and **Matplotlib**. Used **PyMongo** to work with **MongoDB**.
- Led the team of 4 backend developers to successfully convert Matlab-based tire simulation automotive tools to Python-based web applications.

Assistant Systems Engineer | Tata Consultancy Services (Client: Fiat Chrysler Automobiles) | August 2019 – July 2020

- Developed a web application with Python **Django** web framework and **TensorFlow** Object Detection API support to identify specific mechanical parts and recognize their orientation and coordinates from supplied vehicle engine part images using image processing.
- Worked on Advanced Analytics Toolbox in **Qlik Sense** to use Python and R-based Machine Learning models for Data Analytics.

Assistant Systems Engineer Trainee | Tata Consultancy Services (Client: Fiat Chrysler Automobiles) | August 2018 – July 2019

- Created a **C#. NET**-based **WPF** desktop application with MVVM architecture to provide loose coupling between business logic and UI. Implemented Singleton design pattern for the singularity of data around the application.
- Used IronPython to Integrate Python in C# apps for the Powertrain Control unit to analyze vehicle signals and their connectivity.

TECHNICAL PROJECTS**Filmystan:**

A Django-based full-stack web application paid membership e-commerce website using Stripe API for film reviews/blogs.

Vaccination Portal: <https://github.com/AkshaySRajguru/vaccinationportal>

A Django-based web app to register vaccination information of the people. Some features include registering user accounts, sign-in/sign-out, and Adding, updating, and deleting entries of a person.

CSS Based Projects: <https://css-projects.herokuapp.com>

A website hosted on Heroku to showcase CSS skills.

Django based Portfolio: <https://akshayr-portfolio.herokuapp.com>

A website hosted on Heroku to showcase Django skills.

ACHIEVEMENTS

- Three Year's **Service & Commitment Award** (TCS: 13 Aug 2021)
- **On the Spot Award:** For the contribution to tire simulation automotive applications (TCS: 18 Mar 2021)
- **Special Achievement Award:** For delivering successful PoCs based on Image Processing and Deep Learning (TCS: 02 Jan 2021)
- **Best Team Award:** For the contribution in receiving 98% CSI (TCS: 03 Dec 2020)
- **On the Spot Award:** For successful integration of Python in C# apps (TCS: 16 Sept 2019)

CERTIFICATIONS

- **Python and Django Full Stack Web Developer Bootcamp** | Udemy | Certificate Id: UC-7667832a-b701-40d9-8796-db12ea08a2eb
- **Building RESTful Web APIs with Django** | LinkedIn | Certificate Id: AXyorSV-qBACekHH2Dj7RPJ3-Tr
- **Python for Data Science and Machine Learning Bootcamp** | Udemy | Credential ID UC-2bc2d78d-f1dc-4ed3-8c79-faf9121368d8
- **Building Modern Projects with React** | LinkedIn | Certificate Id: AaP_wDI93hvw4Ob7OIX2rfIQDsIS
- **React: Creating and Hosting a Full-Stack Site** | LinkedIn | Certificate Id: ARIWdy1FL-RJLJMI6UC_XXOhOKMo

ADDITIONAL INFORMATION

Soft Skills	Analytical Skill, Quick Learner, Presentation Skill, People Management Skill, Team Player, Leadership skill
Personal Interests	Reading Novels, Sketching Portraits, Mobile Photography
Languages Known	English, Hindi, Marathi
Date of Birth	30th September, 1996
Nationality	Indian
Gender	Male
Marital Status	Single

Declaration

I do hereby declare that all the information given above is true to the best of my knowledge and belief.

Akshay Rajguru
Signature

Date