

Vishal Yadav

SENIOR SOFTWARE ENGINEER



Profile

Senior Software Engineer with experience in building scalable and secure web & software applications. I have more than 5 years of experience in Python. I am always learning and staying up to date with the latest technologies and best practices in web & software development.



Work experience

present
↑
Mar 2023

SENIOR SOFTWARE ENGINEER

BOTLAB DYNAMICS, IIT-Delhi

- Actively leading a team of three members to achieve project goals.
- Development & maintenance of various blender plugins for the company using python.
- Developed an algorithm that enables drones to achieve flawless and exact landings on their designated positions.
- Developed an algorithm that facilitates the seamless transition of drones between formations in an animation, ensuring collision-free movements while optimizing for the shortest path.

Mar 2023
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Aug 2018

PROJECT ASSISTANT

CSIR-NPL, Delhi

- Developed a “Web based game” using HTML, CSS, JavaScript, jQuery and Bootstrap programming languages for CSIR-JIGYASA by Government of India (GoI) to demonstrate the concepts of time synchronization and its applications.
Check out this game hosted on - [GAME URL](#)
- Developed a “Python-based software using Socket Programming” to extract/filter data from the SATRE TWSTFT Modem and compared it with the former software (developed by ISRO).
- Developed a “Python- based GUI Application” to display/plot and calculate Real-time data as well as Stored data like Time-Offset, Standard deviation, Lock percentage, etc. of the SATRE TWSTFT Modem.
- Developed a “Python-based data processing software” which calculates the Average of Time Offset and processes the data every month for synchronizing the time of ISRO with the IST.
- Developed a “Linux-based shell-script” to automatically fetch and upload files from the NavIC Receiver and SATRE Modem to the server daily.

Aug 2018
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Aug 2017

JUNIOR SOFTWARE ENGINEER

SHEETAL ENTERPRISES, Delhi

- Developed and maintained various software for the company using python.
- Improved overall efficiency by 13% of existing software by consistently optimizing it.



Contact



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Phone

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Address

WZ-76/A, Todapur
New Delhi



Website

Portfolio Website



Skills

- Python
- Django
- Django REST Framework
- Font Awesome
- Cron Jobs
- HTML
- CSS
- Selenium Web Driver
- jQuery
- Nginx
- Unicorn
- Bootstrap
- JSONWebToken (JWT)
- PostgreSQL
- Axios
- Djoser
- Socket Programming
- FTP/SCP
- SQLite
- Elasticsearch
- Docker
- Firebase
- AWS EC2
- AWS S3
- GitLab/GitHub



Education

2017
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2013

B.TECH

Instrumentation And Control Engineering
Guru Gobind Singh Indraprastha University, Delhi

2013

CLASS XII

CBSE
Midfields Senior Secondary School, Delhi

2010

CLASS X

CBSE
Mamta Modern Senior Secondary School, Delhi



Honors And Achievements

2022

Certificate of poster presentation at the URSI-RCRS 2022 conference, which was titled "Digital S.I. Traceability of Time through an Application Programming Interface (API)" and was conducted by IIT Indore.

2020

Certificate of Introduction to Measurement and Metrology by NPL, UK.

2020

Certificate of introduction to Measurement Uncertainty by NPL, UK.

2017

Ranked 3rd (overall) and 2nd (in last 4 semesters) amongst all the students of ICE department.

2017

3rd University rank holder in the eighth semester.

2013

Awarded as Intelligent and Smart student of the year (2012-13).

2010

Awarded L S Gupta memorial award at NPL, India.



Personal Information

Father's Name: Mr. Vikram Singh Yadav

Mother's Name: Mrs. Mithlesh Yadav

Date of Birth: 13th November 1993

Languages known: English, Hindi