

# Shaunak Juvekar

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## Education

### Master of Engineering in Computer Science

Virginia Tech

Blacksburg, Virginia

Expected May 2024

- Courses: Information Storage and Retrieval, Data Analytics, Network Architecture and Programming

### Bachelor of Engineering in Electronics and Telecommunication

Savitribai Phule Pune University (3.6/4)

Maharashtra, India

May 2018

- Relevant courses: Data Structures and Algorithms, Object Oriented Programming, Computer Networks, Artificial Intelligence, Digital Image Processing

## Skills

**Languages:** JavaScript, Python, Java, C, Lua, MATLAB

**Web Technologies:** Node JS, React JS, HTML, CSS, Bootstrap, Semantic UI

**Database:** MongoDB, PostgreSQL, MySQL

**Tools:** Jupyter Notebooks, Numpy, Pandas, OpenCV, Tesseract, Git, Postman, JIRA, Elasticsearch, Jenkins, Docker

## Experience

### Software Developer

Gibots, Pune, India

07/2020 – 07/2021

1 year

- Implemented end to end solutions which includes developing APIs using ExpressJS and integration of various libraries written in Java, Node and Python, generating up to 90 percent savings in manpower cost.
- Built a custom Rule Engine which carries out Javascript and Regex evaluations which automated and streamlined client's processes.
- As the module lead, coordinated regular meetings with the client to discuss work status, report issues regarding implementation and get feedback on production delivery
- Devised the technical architecture solution of project and collaborated with project managers for time estimation and planning.

### Software Engineer

Vodafone Shared Services, Pune, India

07/2018 – 03/2020

1 year, 8 months

- Engineered automation solutions for Vodafone TV for their STB(Set-top Box), Web and Android platforms using Python and Lua.
- Analyzed and integrated Kaltura API's and custom logic functions in GUI and API scripts.
- Developed multi-folder data gathering scripts which parsed through XML data.
- Researched and proposed OpenCV and Google's Tesseract libraries for converting scanned image into text, thus reducing reliance on a paid third party tool.

### Project Intern

Aker Solutions, Pune, India

07/2017 – 03/2018

8 months

- Interfaced driver circuits, implemented feedback mechanisms and actuator valve control for developing a 6DOF robotic arm for an ROV.
- Implemented serial communication, socket programming and joystick control using embedded C and Python.

## Personal Projects

### E-Commerce Website [Github]

08/2022

- Built a website where the user can add and remove products from a grid layout selection.
- Utilized the Hooks system of ReactJS along with its Context API for state management.

### Book Sharing Platform [Github]

06/2020

- Developed a web application which enables exchange of books by different users using NodeJS and MongoDB and hosted on Heroku servers.
- Incorporated authentication flows for users and added authorization middlewares for API security.

### Mouse Gesture Control using Motion Sensor

09/2016 – 02/2017

- Developed a real time mouse control mechanism which was independent of a surface, using Arduino, MATLAB code and a Gyroscope sensor (MPU6050).