

Jatin Salve

jasalve_b19@el.vjti.ac.in | LinkedIn | GitHub | Medium | +91-9324415132

SUMMARY

A Final year Engineering Student (UG) with experience in C++ and **Software Development** and worked in Deep learning and ML for nearly a year. 2 Years of experience in C++ and Python, 1 year in Linux-based Operating Systems and Windows OS, and 1 year of experience in Software Development and handling and analyzing the software systems in big Open-Source organizations.

EDUCATION

Veermata Jijabai Technological Institute (VJTI), Mumbai, India Mumbai, India | 2019 – 2023

B Tech. Electronics Engineering

Affiliated with the University of Mumbai

Technical Team Member:

- Google Student Developers Club (GDSC)
- Community of Coders (COC), VJTI

Higher Secondary School

Mumbai, India | 2017 – 2019

Vivekanand Education Society (VES)

- Among the top 5% of the Program
- MHT-CET Score (Engineering Entrance State Exam) – 97.19 %

WORK EXPERIENCE (ACADEMIC, RESEARCH & INDUSTRIAL)

MITACS RESEARCHER @ POLYTECHNIQUE MONTREAL Montreal, Canada | March 22 – Aug 22

- Developed a decision support tool for water quality management, using the IDF Data Curve values from the CMIP4/5 readings of Canada.
- Worked on the Machine Learning Model in PyTorch and TensorFlow for the IDF Curves data estimations using the ML Techniques
- Globalink Research Fellowship Awardee - research grants worth over CAD 9000. [Link](#)
- Analyzing the results of an online survey, to Provide a manual to use the web-based tool.

GOOGLE SUMMER OF CODE MENTOR @JOOMLA CMS Remote, USA | March 2022 – Nov 2022

- Maintaining Joomla GSoC Project Repository, Keeping track of the daily work of GSoC Participant.
- Mentoring GSoC students, scheduling weekly meets reviewing the code, guide students to write quality code.

- Based on the work done by the GSoC student, mid-term and final evaluation reports were Submitted.

Summer ISCAS 2021 (Joomla) | SDE Intern

Remote, China | JUNE 2021 – OCT 2021

- Worked under the Joomla Organization. Developed a Joomla 4. X MVC Component with the additional support of databases like MySQL and PostgreSQL, and gave the support of Joomla 4. X backend Plugin.
- Integrated the external JS library Shepherd JS which uses Popper JS that handles the Guided Tour functionality. Understood the code flow and good coding practices that should be followed while writing code in C++, JS, Web Development, Apache, and PHP especially using OOPs.

Scaler| Interview Bit | Technical Content Writer

JUNE 2021 – AUG 2021

- Done an internship in Interview Bit/ Scaler, one of the world's top computer science portals for Technical Content Writer.
- Wrote and published many tech-related articles and reviewed them as a reviewer.

IEEE VJTI (Event Manager Mumbai, India)

OCT 2020 – Feb 2022

- Core Committee Member for the student branch of the Institute of Electrical and Electronics Engineers (IEEE) • Successfully conducted and Managed MATLAB and Machine Learning workshops with over 80+ & 90+ participants from different colleges.
- Being one of the heads of the core committee I was responsible to contact potential speakers for guest lectures, keeping the visitors in the loop about IEEE & helping the committee in major ways.

PROJECTS

CNN Implementation of Pneumonia detection

Python, Kaggle

- Done the CNN-based implementation for Chest Xrays Pneumonia detection. Based on several research papers and articles related to the implementation of the Model for successful detection for Pneumonia based on the x-rays.
- In this, CNN was trained for detecting Pneumonia given Chest X-Rays. After training the model, test accuracy of 94.56% and a recall score of 0.97 were achieved.
- **GitHub Source Code** - [Link](#)

JOOMLA 4 MVC COMPONENT AND PLUGIN |

XAMPP, MySQL, PHP, ShepherdJS

- Rewrote the J!3 versions of Guided Tour in J!4 by adding the functionality of MVC Support + J!4 Plugin.
- Developed an MVC Component from scratch, and wrote around 6000+ lines of code.
- Implemented the go-through pathway adding the multi-page functionality in the plugin from the scratch using the session.
- **GitHub Source Code** - [Link](#)

IP Algorithms |

Open CV, Python, Image Recognition Algorithms

- Image processing project in which he Implemented many industry-level algorithms from scratch for image manipulation, like rotations (via affine transformations) with and without bound, kernel applications (via convolutions) like blurring & sharpening the image, and edge detection.

- Done Morphological transformations like dilation & erosion, ROI with the convolution of external matrices like Gaussian Matrix as an example
- **GitHub Source Code** - [Link](#)

SKILLS

- **Languages:** Java, Python, PHP, C, C++, SQL
- **ML / DL:** NLP, CNN's
- **Web Development (Front-end):** React, JavaScript, TypeScript, HTML/CSS, Bootstrap, UI/UX
- **Web Development (Back-end):** NodeJS, Python, Express.
- **Technology:** Git, AWS, Docker, AJAX, Apache, MongoDB, Joomla!
- **Data Science, Visualization.**

EXTRACURRICULAR

- Given tech talk in the event of Google Student Developers Club - Kalindi, about introduction to Google Summer of Code. [Link](#)
- Given tech talk in the event of one of the YouTube Channel Semikolan on the topic of Introduction to Open Source. [Link](#)

POSITION OF RESPONSIBILITY

- JOOMLA 4 LAUNCH EVENT MANAGEMENT
- Department Class Representative
- Community of Coders, VJTI | MEMBER SINCE 2019.
- IEEE core member VJTI.

ACHIEVEMENTS

- MITACS Globalink Research Awardee
- Schindler Ignited Minds Awardee.
- Got selected for s Open-Source Promotion Plan program, organized by the Institute of Software Chinese Academy of Sciences and Open Euler (ISCAS). Link reference for [above](#).
- Selected as a member of an Open-source organization named Joomla! as a contributor to Google Summer of Code and SoC Project. [Link for the same](#)
- Received SUSE Scholarship for Cloud Native Foundation and AWS ML scholarship by Udacity.
- Award of Excellence in 2017 from **Bharat Petroleum Corporation Ltd (BPCL)**.
- Under the Top 3 Percent Academically in Engineering Entrance with a score of 97.19 Percentile.
- Under Top 5 Academically in 10th with a score of 90.2% and in 12th with 82%.