

SANJIV SHIVKUMAR GUPTA

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ACADEMIC PROFILE

QUALIFICATION	INSTITUTION AND AFFILIATION	DURATION	SCORE
Bachelor of Engineering in Electronics & Telecommunications Engineering	MIT College of Engineering, Pune Savitribai Phule Pune University, Pune	2015-2018	67.13 %
Diploma in Electronics & Telecommunications Engineering	Cusrow Wadia Institute of Technology, Pune Autonomous Institute	2012-2015	84.90%
10 th Grade	Indian Education Society, Pune Maharashtra State Board of Higher Secondary Education	2011-2012	89.09 %

PROFESSIONAL EXPERIENCE

Machine Learning Intern — Ushaitechlabs Pvt Ltd, Pune Maharashtra — 1st April 2017 — 1st April 2018

- Developed projects related to Machine learning, Deep learning and Computer vision in Python and Matlab.
- Explained the project code to the clients.

Programmer Analyst Trainee — Cognizant Technology Solutions, Pune Maharashtra — 28th August 2018 — 31st July 2019

- Designed Python equivalent BDD testing framework for CRAFT originally in JAVA.
- Reduced time needed to develop test cases by automating script generation.

Software Engineer — Applied Artificial Intelligence Consulting LLP, Pune Maharashtra — 26th August 2019 — Present

- Developed in-house SaaS product Marxeed using Python, Serverless and AWS from scratch.
- Reduced time needed to develop APIs by 99% by designing a Serverless API generator for generating easily deployable code for any microservice entity within minutes.
- Decreased cost of deployment stack by developing Content Management system using Strapi and AWS ECS Fargate.
- Worked on debugging and implementing fixes for Data Analytics Platform.
- Implemented automation code for updating Smartsheets.
- Improved deployment performance by implementing CI/CD pipelines in all projects undertaken.
- Mentored interns and freshers.

PROJECTS UNDERTAKEN

Skyword — Applied Artificial Intelligence Consulting LLP — March 2020 - Present

- Objective : Developing solutions to the problems occurring in the application. Addressing errors reported by customers.
- Tools Used : Python, Docker, Kubernetes, Github

VedasLabs — Applied Artificial Intelligence Consulting LLP — November 2020 - May 2021

- Objective : Developing a CRM application for a social venture funding platform.
- Tools Used : Python, Strapi, Docker, AWS(ECS Fargate), Github

Marxeed — Applied Artificial Intelligence Consulting LLP — August 2019 - October 2020

- Objective : Developing a SaaS application for generating content for Marketing campaigns.
- Tools Used : Python, NLTK, Serverless, AWS(S3, Lambda, DynamoDB, etc), Gitlab

Automatic Music Transcription for Harmonium — Ushaitechlabs Pvt Ltd

- Objective : Generating MIDI scripts for Harmonium Music using Machine learning and Deep learning algorithms.
- Tools Used : MATLAB

Camouflage Object Detection — Ushaitechlabs Pvt Ltd

- Objective : Real time detection of Camouflaged Moving Person in Videos by extracting HOG and LBP features and training a SVM model.
- Tools Used : Python(Pandas, Scikit-learn)

Academic Project: Drone Assisted Development Of Agriculture — June 2017 – May 2018

- Description : Drone will be used for flying over a field and detecting crop damage using Image Processing and Machine learning algorithms and provide feedback to farmers.
- Tools Used : Python, Arduino, Raspberry Pi.

COURSEWORK AND CERTIFICATIONS

- Completed **AWS Certified Developer – Associate** certification by AWS.
- Completed **AWS Machine Learning – Speciality** certification by AWS.
- Completed **AWS Machine Learning Foundations** course by Udacity.
- Completed **Introduction To Self-Driving Cars** course by Coursera.
- Completed **Exploratory Data Analysis** course by Coursera.
- Completed **Learn Python 3.6** course by Coursera.
- Completed **Improving Deep Neural Networks: Hyperparameter Tuning, Regularization And Optimization** course by Coursera.
- Completed **Neural Networks And Deep Learning** course by Coursera.

RESEARCH AND PUBLICATIONS

- Desai, S., Gunale, K., Pataskar, U., Ghatnekar, S., Gupta, S., and Sawant, S. “Drone Assisted Development of Agriculture.” International Journal of Computer Engineering and Applications , 12.1 (2018): 54-60.
- Gupta, S., Borkar, A., and Ingle, Y. “Transfer Learning Approach for Plant Leaf Disease Detection.” International Journal of All Research Education and Scientific Methods , 10.1 (2022): 1211-1217.
- “EMR: An CNN based approach for facial expression based music recommendation system.” International Journal of Electrical and Electronic Engineering & Telecommunications - Submitted.

TECHNICAL SKILLS

- Programming Languages : Java, Python, MATLAB, R
- Tools : Docker, Tableau, Git, Jira, Jupyter Notebook, Postman, VS code
- Others : AWS services, Serverless, Django, Flask, RASA chatbot, Kubernetes, Strapi, Smartsheets, OpenCV.

AWARDS AND ACHIEVEMENTS

- Awarded by **Employee of the year** for developing Serverless API generator at Applied Artificial Intelligence Consulting LLP, Pune **August 2021**
- Awarded by **Best Intern** for developing more than 15 projects within a 6 months at Ushaitechlabs Pvt Ltd, Pune **April 2018**
- Won the **Best Paper Award** at the International Conference on “Advances in Usability Engineering for Computing” (ICAUEC-2018)

EXTRACURRICULAR ACTIVITIES

- Participated in **Smart India Hackathon 2017**.
- Elected as Member of **ABU Robocon** Team at MIT College of Engineering.
- Participated in **Texas Innovation Challenge 2016**.
- Conducted a workshop called **Introduction to Deep Learning** at MIT College of Engineering, Pune, Maharashtra – **December 2017**
- Worked as **Student Placement Coordinator** at MIT College of Engineering.
- Worked as **Transform Maharashtra Leadership Ambassador Program** Leader.
- Elected as **Refreshment Secretary** of College Committee at Cusrow Wadia Institute of Technology.