

Abhay Puri

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EDUCATION

DAV Institute of Engineering and Technology

Bachelor of Technology in Computer Science & Engineering; CGPA: 8.82/10

Jalandhar, India

July 2016 - June 2020

EXPERIENCE

Tokyo Data Science

Student Researcher

Remote

Sep 2020 - present

- Pursuing an applied course of Machine Learning & Deep Learning under Dr. Michal Fabinger's and also helping in peer reviewing assignments.

STMicroelectronics

Python Developer Intern

Noida, India

July 2019 - Aug 2020

- Developed a Dynamic GUI in PyQt4 for CRUD operations and data validation checks.
- Created an OFDEC Launcher (OPC Friendly Design Check) in Python for finding fault in chip design.

IIIT-Allahabad

Research Intern

Prayagraj, India

June 2018 - July 2018

- Assisted Ph.D scholars with coding in order to improve eye movement detection to predict Autism in children.
- Worked on advanced analytics from large-scale data using efficient DL & ML algorithms in Python.

PROJECTS

- **StreamAI**: Developed a multi-purpose web application in open-source app framework Streamlit. The app gathers weights from pretrained NLP, Computer Vision and Machine Learning models. There is also an option to train the model from scratch.
 - Technology Used: Python, Streamlit, ML libraries (sklearn, NLTK, Scipy, OpenCV, Librosa), DS libraries(Pandas, Seaborn, Numpy).
- **Forest Rescue Emergency Prediction Model**: The project was to predict whether or not a SAR call happened on a particular day. Performed classical ML techniques like Random forest, Linear Regression, Logistic Regression, Naive Bayes have been applied. Machine Learning classifier specifically XGBoost gave the best result with 0.70 validation accuracy.
 - Technology Used: Numpy, Pandas, Matplotlib, Sklearn.
- **Human Resources Analytics**: Machine learning classifying approaches have been applied to predict whether an employee will leave the company in future or not. Obtained a test-set F1 score of 0.98 on the provided data set with Ada-boost Classifier.
 - Technology Used: Numpy, Pandas, Matplotlib, Seaborn, Sklearn.

SKILLS

- **Languages**: Python, C, C++, HTML, CSS.
- **Libraries**: Numpy, Pandas, Scipy, Matplotlib, TensorFlow, Keras, PyTorch.
- **Others**: Git/Github, MySql, Latex.

ACHIEVEMENTS

- Attended **AI Summer School, IIIT-Hyderabad** for Computer Vision and Machine Perception Track. Selected amongst the top 185 from thousands of applicants nationwide.
- Secured **9th University and 10th University** Position in 4th Semester and 7th semester respectively.
- Secured **2nd Position** in college in 6th Semester
- Core member of **College Placement Cell** and successfully conducted campus placements of two batches.
- Organized **CodeBuild.IO 2019** - The National level Hackathon held at DAVIET.
- **CBSE Scholarship** : Awarded for coming under top 2 percentile among more than 10 lakh students in 12th Board exam.

SPEAKER SESSIONS

- **Pydata Jalandhar, 2019**: Talk on Visualization and Data Exploration Using Matplotlib , [Slides link](#).
- **Pydata Jalandhar, 2019**: Beginner track of Machine Learning for starters was all about the session delivered, [Slides link](#).

COMMUNITY EXPERIENCE

Campus Lead

Google Developer Student Club (October 2018 - October 2020)

- Among the 185 Leads across the Globe. Initiated the setup of Google Classroom in the Campus.
- Conducted various Competitive Programming, Cloud Study Jams Sessions.

Organizer

PyData Jalandhar (November 2018 - Present)

- Organized various tech-talks and meetups all over Punjab on behalf of PyData Community. Delivered technical talks on Data Science, Machine Learning, Deep Learning.