

Abhineet Pandey

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EXPERIENCE

NUTANIX | MTS INTERN

May 2020 – July 2020 | (Remote) Pune, India

- Worked on optimizing Key-Value store on Persistent Memory.
- Modified existing data structures to suit the use case.
- Worked in a linux environment (centOS) using Persistent Memory Development Kit.

IISC BANGALORE | RESEARCH INTERN

May 2019 – Jul 2019 | Spectrum Lab, IISc Bangalore, India

- Worked with Dr. Chandra Sekhar on the problem of 3D Point Cloud Registration.
- Used autoencoder to get best matching features for coarse localization.

PROJECTS

AUTOMATED WORKFLOW SYSTEM | DJANGO, POSTGRESQL, MONGODB

Mar 2020 – Jun 2020 | IIT Ropar, India

- A workflow system for digitization of form-flows in a business/academic environment.
- Used both relational and non-relational databases.

MEDIA MONITORING SYSTEM | PYTHON

March 2019 | Nagpur, India

- Developed a Media Monitoring System for Ministry of Railways under Smart India Hackathon.
- System used web scraping from prominent news websites and categorisation based of sentiment.
- Used Bing API for similarity check and ParallelDots API to get sentiment score.

OTHER PROJECTS

- Used **blender** for character creation and animation, and loaded the exported model into **OpenGL** by integrating transformations and camera controls.
- Implemented data mining algorithms like **FP-Growth, Apriori, Eclat, KMeans, DB-Scan, EM, Denclue, Classifiers like Bayes, Naive Bayes, K-NN, Decision trees.**
- Implemented various types of **recommender systems**, like user based, item based, using clustering, multi-criteria, using deep learning etc and performed a comparative analysis.
- Implemented basic **reinforcement learning algorithms** in OpenAI Gym.
- Made a Faculty Leave portal using **MongoDB** and **PHP**.
- Used Myo Armband for getting EMG and pose information and neural networks for classification, thus completing the task of **gesture recognition**.
- Used u-net based architecture for **satellite image segmentation** task.
- Made a **Flutter** based farm expense management Android App.

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY, ROPAR

B.TECH IN COMPUTER SCIENCE

July 2017 - May 2021(Expected) |

Ropar, India

Cum. GPA: 8.93 / 10.0

SKILLS

PROGRAMMING

C/C++ • Python

TECHNOLOGY

Git/Github • MongoDB • Linux

SQL • TensorFlow • Keras

Familiarity:

Blender • OpenGL • Flutter

COURSEWORK

Design and Analysis of Algorithms

Software Engg.

Applied Artificial Intelligence

Intro. to Database Systems

Operating Systems • Data Structures

Comp. Architecture • Comp. Networks

Comp. Graphics • Data Mining

LINKS

Github:// [abhineet99](#)

LinkedIn:// [abhineet-pandey](#)

Portfolio:// [Abhineet Pandey](#)

MISCELLANEOUS

- Winner at Smart India Hackathon (Govt. of India) Software Version (Under Ministry of Railways), Nagpur, India 2019
- 4th Position, Inter IIT Tech Meet, Satellite Image Segmentation Problem
- Qualified for the KVPY Fellowship program by DST, Govt. of India. (2016)
- Secured a rank of 1470(Out of 1.5 million candidates) in Joint Entrance Exam, 2017. Recipient of JEE merit scholarship from IIT Ropar.
- Member of debating team of the institute. Finalists in SRCC's SRDF, New Delhi 2019 (Novice Category).