

ANKIT KUMAR PANDA | RESUME

EXPERIENCE

Software Intern

Valeo, May-July, 2018

- » Design of modules for interprocess communication inside a core for driverless cars
 - » Gained experience on working with operating systems with unix command. Built a module using pipes and shared memory to share data among the two process and signalling mechanism was used to send out a signal to the external hardware
- CPP, Unix, Operating Systems, Embedded Systems

Software Intern

NTUST, Taiwan, May-July, 2019

- » The project done here aimed at making a simulator for a smart Water Dispenser, which will simulate the behaviour of the dispenser.
 - » The tanks are governed by individual equations which were determined by using python regression on previously collected data
- Python, Pandas, Numpy, CPP, Simulator Design, CPP Graphics

Software Intern

Qualcomm, May-July, 2020

- » Developed a Deep Learning solution from scratch that validates the video playback on a HDMI screen being played through a secure connection media.
 - » Employed a computer vision solution for feature extraction and validation for video playback.
- Pandas, Numpy, keras, tensorflow, Computer Vision, OpenCV. Python

PROJECTS

Water Quality Management System
April, 2019

- » Real time data collection and simultaneous Database update in firebase.
- » Made an android app to visualize the data and send a warning when above the defined levels pollutant are found
- » Made a FB-Prophet model for forecasting data over the next two days and can also be visualized on the app.

Android Chat Application
January, 2019

- » Built a chat app with registration and login page
- » Facilitated topic wise chat feature for the users
- » Users can also change their pseudo names used in the chats
- » The messages were stored in encrypted format in the Firebase Database

Real Time Air Pollution Forecast
January, 2020 - Present

- » Deals with Real-time Automated air-pollutants data collection through deployed sensors.
- » Predict future Air-Quality Index by developing various Time Series Forecasting Models using deep learning and machine learning algorithms.
- » Equipped with its own Android application for display and interaction.
- » As a researcher in time series forecasting have a total of 4 pending publications published/pending for approval.

Web Scraping Downloader
July, 2018 - November, 2018

- » Made a web scraping which can download the files from set of mails and store them in an ordered format.
- » The project used Beautiful Soup and python for scraping the files from the files.
- » Further the project was also replicated for inventory creation from various shopping web-sites such as Amazon, headphonezone etc.

EDUCATION

Matriculation
CGPA: 10

2014
DAV Public School
Berhampur

Intermediate Science
Percentage: 95.0%

2016
Mother's Public School
Bhubaneswar

Dual Degree, Electronics and
Communication Engineering
CGPA: 8.42

2016-2021
National Institute of Technology
Rourkela

CONTACT

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TECHNICAL SKILLS

</> C++, Python, Java, R

🔗 Firebase

🔗 HTML, React

🤖 Android

🔗 Github

FIELDS

</> Data Science

● ● ● ● ● ●

</> Software Development

● ● ● ● ● ●

</> App Development

● ● ● ● ● ●

TOOLS

💻 Anaconda 💻 MATLAB

➤ Tensorflow ➤ Keras ☁ Firebase

</> LaTeX

LANGUAGES

English ● ● ● ● ● ●

Hindi ● ● ● ● ● ●

Odia ● ● ● ● ● ●

SOFT SKILLS

📖 Analytical and Strategic Thinking

📖 Business Acumen

🗣 Communication

👤 Teamwork

EXTRA-CURRICULAR

Club Member, Leo

Campus Reporter, Monday Morning