

# Abhilash Pani

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## SUMMARY

- Result-oriented, hard-working, experience of working in a startup culture, life revolving around Data and Maths. Major strengths include strong leadership and capacity to work as a team player, as well as excellent communication skills. The professional attitude is grounded in the cross-cutting knowledge of the academic, technical, and managerial fields. Attention to detail, facts and statistics , great management skills and brimming innovative ideas complete the profile.
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## EDUCATION

- **Bachelors of Technology | Computer Science & Engineering (CSE) – 6<sup>th</sup> Semester |** **2016 – Pursuing**
    - Dr. SP Mukherjee International Institute of Information Technology – Naya Raipur, Chhattisgarh, India, 493 661
    - 8.18 CGPA on a scale of 10.
  - **Rajasthan Board |86.88% |** **2016**
    - Shiv Jyoti Senior Secondary School, Kota
    - 92.66 % (PCM)
  - **Central Board of Secondary Education** **2014**
    - DAV Public School, Sonadih
    - 10.0 CGPA over a scale of 10.
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## EXPERIENCE

- **Fisdome - Intern (Research)** **May, 2018–July, 2018(Mumbai)**
    - [View project](#) - Built portfolio-report generator using python.
    - Fetched customer transactions from Plutus database.
    - Preprocessed the dataset to build research models, used MorningStar API and Quandl API.
    - Analysed, visualised performance, risk metrics, fund returns and top holdings in invested mutual funds.
  - [View project](#) - Built Fisdome-recommended mutual fund ranking dashboard.
    - Used Dash, a python-based web framework and deployed to Heroku.
    - Used MorningStar API, preprocessed data, transformed data, explored the data for in-depth analysis.
    - Implemented the Fisdome-developed algorithms for ranking to the data based on the analysis done.
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## TECHNICAL PROJECTS

- **Data-Analysis-on-IPL-Datasheet** **Oct, 2017–Dec, 2017**
  - [View project](#)
  - Data cleaning of IPL Dataset using pandas and matplotlib..
  - Analysing the Data upon various criterion like toss\_decisions , favorite\_venues , matches\_won , season\_wise.
  - Further visualising the data and the analysed data.
- **Stock-prices-prediction-of-Google-LLC** **Dec, 2017–Feb, 2018**
  - [View project](#)
  - A detailed data analysis , manipulation, cleaning, visualisation using the Pandas package.
  - It involves case study data analysis on dataset from the MovieLens website.
- **Satellite-Image-Analysis** **Oct, 2017–Dec, 2017**
  - Made use of the basics of Numpy and Pandas to study the image of a satellite.
  - Applied the knowledge of Data Analysis to create own filters on image.
- **Visualizing-pollution-indicators-of-countries** **Nov, 2017–Dec, 2017**
  - Simple Data Analysis making use of basic components.

## ACADEMIC PROJECTS

- **Handling Label Noise by fuzzy logic** **Jan, 2019 – current**
    - *Guide: Dr. Vivek Tiwari (Asst. Prof., IIIT-NR)*
      - Assumed and formulated 3 algorithms(till now) and implemented and tested its validity.
      - Used concept of fuzzy logic, semi-supervised learning, ensemble learning etc.
      - Compared results of models like NaiveBayes, RandomForest, DecisionTree, Regressive models.
  - **Automatic Subtitle Generation** **Aug, 2018 – Jan, 2019**
    - *Guide: Prof. Ankit Chaudhary (Asst. Prof., IIIT-NR)*
      - Developed a video player using python-VLC, python-gi module with embedded subtitles for different videos.
      - Further implementation involved emotion annotation of obtained subtitles into 7 emotions.
      - Tech Stack - python-VLC module, python-gi module, BabelNet API.
  - **Railway Reservation System** **Dec, 2017 – Jan, 2018**
    - *Guide: Dr. OP Vyas (Former Dean, IIIT-NR)*
      - A fully-functional railway reservation system as part of DBMS Course.
      - Tech Stack - MySQL, XAMPP, PHP.
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## TECHNICAL SKILLS

<b>Computing and Algorithms</b>	Data Science(Data Restructuring,Data Presentation and Visualisation, Data Analysis) , Machine Learning(Regression, Neural Networks, KNN,Decision Tree) , Python, Java, Math & Statistics, SQL, C, C++, HTML, CSS, JavaScript
<b>Hardware Prototyping</b>	Arduino, Raspberry Pi, Zybo, Nexys, RTL-SDR
<b>Professional Software</b>	Hadoop, AWS, Jupyter Notebook, Matlab/Simulink, Cadence, Xilinx Vivado, gcc, g++, Photoshop, Oracle and MySQL Developer, Turbo C/C++, GNU Radio,Ms- Office.
<b>Operating System</b>	Linux Distro: Ubuntu, Windows.

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## COURSES STUDIED

First Semester	Introduction to C Programming Language, Digital Logic Design, Introductory Physics, Mathematics, Communication Skills-I GPA – 7.76
Second Semester	Computer Organization, Communication Skills-II, Discrete Mathematics, Data Structures and Algorithms, Electronic Circuits, Network Analysis, Principles Of Management, IT-Workshop-I (HTML, CSS, PHP, Arduino Microcontroller) GPA – 8.58
Third Semester	Design and Analysis of Algorithm, Database Management System, Signals and System, Communication System, Embedded System, Environmental Engineering and Science, Sensors and Actuators, Vector Calculus and Other Differential Equations, IT Workshop-II (TI Launchpad , Raspberry PI , Rtl-sdr , Data Handling using python , FPGA). GPA – 8.63
Fourth Semester	Object Oriented Methodologies, Embedded Systems-II, Numerical Methods and Probability, Data Communication and Computer Networks, Digital Signal Processing, Artificial Intelligence, VLSI Technology and Design GPA - 7.88
Fifth Semester	Data Mining, Software Engineering, Database Management Systems and Warehousing, Cryptography, Formal Languages and Automata Theory, Operating System-2, Minor Project-1 GPA - 8.1

**POSITION OF RESPONSIBILITY**

<b>Campus Ambassador</b>	Aavartan, 2017 (Techno – Cultural Fest of NIT-Raipur)	2017
<b>Sponsorship Coordinator</b>	Technovate, 2018 (Techno – Cultural Fest of IIIT-NR)	2018
<b>Hospitality &amp; PR Lead</b>	Technovate, 2019 (Techno – Cultural Fest of IIIT-NR)	2019

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**ACHIEVEMENTS**

<b>Rank - 141 out of 5000+participants (percentile score of 97.41%)</b>	Societe Generale Machine Learning Hackathon-2019-Hackerearth
<b>Rank - 102 out of 350+ participants</b>	Yes Bank Data Hackathon- 2018 - ML 2nd Phase - Round1
<b>Winner</b>	Inter-DAV(MP-CG Zone) - 2014
<b>2<sup>nd</sup> Runner - up</b>	Sreeleathers Quiz, Jamshedpur-2011
<b>Olympiads</b>	State rank of 20 and 34 respectively in NSO and IMO - 2012

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