


# RESUME

## Pankaj Kumar Patra

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My goals are to accomplish a sound position in an organization and work enthusiastically in a team, contributing to the development of self and the organization.

### Professional Summary

- Have working experience as a Web Developer and Mobile App Developer, creating interactive web and Android applications
- Experience in developing applications and preparing test cases
- Hands-on experience in maintaining and Integrating Databases for applications
- Having good problem-solving skills with excellent interpersonal skills and good relationship qualities
- Good team member, positive attitude and result oriented, self-motivated, quick learner, willing to adapt to new challenges and new technologies

### Work Experience

#### System Analyst at Tata Consultancy Services Limited

Oct 2020 - Present

- Worked on Data Analysis projects - Collected data from various sources, performed ETL operations, analyze data using various models like Informatica BDM and IDQ Administrator
- Automating manual processes and optimizing data delivery
- Re-design infrastructure for better scalability and conduct Capacity Planning
- Help teams meet Functional/non-Functional Business Requirements
- Capture live-streamed data through Microsoft Azure databricks

#### Freelancer for Hybrid App Development

July 2019 - July 2020

- Static Hybrid app development
- Flutter App development with local database(sqlite) integration
- YouTube live streaming integration in Flutter
- Real-time app notification feature implementation
- Flutter app integration with Firebase
- Developing website and execution file using Flutter

## **Data Analyst Intern at Aptus Data Labs**

May 2018 - July 2018

- Text Mining - Transformation, Cleansing & term-document matrix extraction
- Worked on Data Analysis projects - Collected data from various sources, performed ETL operations, analyze data using various models
- Worked on POSTMAN API tool to build and Testing API
- Prepared Python for intermediate level and learn the use of it in Big Data
- Participated in Gartner meet - discussed on ways to evaluate Product Demand variability

## **Experience Profile**

- Internship May 2018 to July 2018 – Data Science and Analyst Intern, Aptus Data Labs
- Attended guided workshop at I.I.T. Kharagpur, Dec 2017 – Application of IoT in Industries
- Trained in Oracle 10g, May 2017 – Lakshya Institute of Technology
- Trained in Java, May 2017 – Lakshya Institute of Technology
- Hybrid Mobile app development – Flutter using Dart
- Informatica BDM and IDQ, Microsoft Azure databricks – Knowledge Transition Program

## **Academic Qualifications**

- BTech in Computer Science – National Institute of Science and Technology with C.G.P.A. of 8.0
- Class 12<sup>th</sup> – Science Discipline, 68.6% - Aryan Gurukul College, Berhampur under Council of Higher Secondary Education (C.H.S.E.), 2016
- Class 10<sup>th</sup>, 76.1% - Saraswati Vidya Mandir, Kalahandi, Odisha under High School Certificate Examination (H.S.C.E.), 2014

## **Mini-Project Summary**

**Project Name:** Air Sense (A Real time Air Quality and Health Hazard Monitoring Application)

**Award:** 1<sup>st</sup> Runners Up, Computer Society of India (C.S.I.) InApp India Hackathon, 2019

**Outline:** Create an application that visualizes Air Quality at nearby areas, collect Air composition using sensors, shows the client the best path between source and destination with suitable air quality for the compute.

### **Key Responsibilities:**

- Using IoT devices to find Air Composition at a place
- Integrating edge devices with a centralized Data House and Control center
- Maintaining an In-House analysis framework to process data and decide an Air Quality factor
- Creating an Android Application that can get customer location
- Integrating Open Street Maps for application and REST API
- Computing best possible path using pre-processed data
- Maintaining Customer data for further analysis
- Finding and solving Application Bugs

**Project Name:** N.I.S.T. NCS Official Website

**Role:** Web-Developer

**Outline:** Creating an official website for N.I.S.T. counseling service with event Gallery, Team information, and an user-friendly portal for taking appointments with a counselor, providing feedback, and accessing Knowledge Base.

**Key Responsibilities:**

- Developing and maintaining both Front-end and Backend for the application
- Implementing secure user login and access roles
- Integrating a central knowledge base for Guides
- Maintaining an easy-to-use appointment ticket system for end-users
- Implementing a centralized library of events, workshops, activities, etc.
- Integrating online forms and surveys

**Project Name:** Hospital Management System, T.C.S. Agile Case-Study      **Role:** Front-End Developer

**Outline:** Creating a web-based Hospital Management System with Patient management and Inventory management functionalities, providing a centralized solution for maintaining data which can be used further for analysis and business decisions.

**Key Responsibilities:**

- Developing and maintaining both Front-end for the application
- Implementing secure employee login and access roles
- Integrating a centralized Patient and Inventory management System
- Maintaining an easy-to-use medicine stock analysis interface
- Maintaining Patient history in a secure environment
- Working with the Backend team and integrating the front end with back end

**Technical Skills Summary**

<b>Programming Skills</b>	Python, Java, C
<b>Databases</b>	Oracle, SQL, MySQL, MongoDB, PhpMyAdmin
<b>Web Development</b>	JavaScript, HTML, CMS (WordPress, Joomla), CSS, Bootstrap, Flutter
<b>Office Tools</b>	Microsoft Word, Excel, PowerPoint
<b>Operating System</b>	Windows, Ubuntu, Linux - RHEL
<b>Data Analysis</b>	ETL, RapidMiner, PySpark Automation

**Co-Curricular Activities**

- (July 2018 – March 2020) Working as a Student Guide for N.I.S.T. Counselling Service (N.C.S.), understanding the concept of counseling and the role of the student counselor, guiding students – understanding their issues, helping them find solutions, supporting them as a career mentor, motivating them to pursue excellence in their field of interest, and participating in various team-building activities.
- (Oct 2018 – Present) Worked as an Active Club Member, Data Science Club, N.I.S.T., organized workshops on Python, Linear Regression, Logistic Regression, basics of Data Science, and Analytics.

### Awards, Achievements & Accomplishments

- Got awarded as the Runners Up (2nd position) in C.S.I. InApp Hackathon, 2019
- Acted as an Ambassador for Climate Launchpad Program, K.I.I.T. Bhubaneswar
- Training students for using GitHub, Version Control System

### Personal Details

D.O.B.:	28 <sup>th</sup> January, 1999
Nationality:	Indian
Gender:	Male
Languages Known:	English, Hindi, Odia
Strength:	Hard-working, Flexible, Eager to learn

### Declaration

I hereby declare that all the above-mentioned information and the particulars furnished are true and un-ambiguous, to the best of my knowledge.

**Mr. Pankaj Kumar Patra**  
**Data Analyst**  
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