ALOK RANJAN
COVER LETTER

To whomsoever it may concern to

Dear Sir,

I am sending this application for the position of AI consultant. I am a data scientist and I have applied the data science techniques to various departments like Human Resources, Marketing, Sales, Operations, Public Relations, & Production/ Maintenance.

In HR I have developed an AI model to Reduce hiring and training costs of employees by predicting which employees might leave the company. Applying **Logistic regression, Random Forest & Artificial Neural Network** on employees data on their work experience, employee satisfaction, work life balance, age group, etc, post pre processing achieved the predictive attrition percentage score for the given employees.

In marketing, targeting the ads to customers by grouping them according to their choice and showing the ads of their needs plays a crucial role in revenue of a company. Me and my team's role was to know the behaviour of a customers by applying **K means clustering** and its optimal numbers using **Elbow Method** to perform market segmentation, understand **build and train autoencoders** using **Keras** to perform **dimensionality reduction,** understanding the intuition of **Principle Component Analysis (PCA)** to perform dimensionality reduction on customer details and group them accordingly so that marketers can launch targeted campaign tailored for their specific needs.

In sales department of companies, my team has developed **predictive modelling, time series forecasting, additive regression and Facebook prophet** to predict future weekly, monthly & yearly forecast trends based on the given data from 1100 stores on some features such as store promotions , store size, school and state holidays & types of products.

Also in public relationship, me with my team built predictive models based on Natural Language Processing **NLTK**, performed **sentiment analysis** on social media post .Applying feature extraction using **count vectors** and applying **Naive based classifiers** to classify them in **likelihood, prior likelihood & marginal likelihood** , With unbalance datasets, train **logistic regression**, learn to make prediction on encoded text data to know whether the customers are happy or not without going through massive numbers of tweets or reviews.

Respectfully,
Alok Ranjan
Encl: Resume

ALOK RANJAN
DATA SCIENCE CONSULTANT & PROJECT MANAGER

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I'm a Project Manager & Data Sc consultant with over 13 years of experience working in the tech industry, providing valuable expertise to businesses.

AREAS OF EXPERTISE

I've worked with various types of projects and have mastered **team management, leadership skills,** solving business problems using **AI, Machine Learning** & web development using **javascript, ReactJS & nodejs.**

EDUCATIONAL HISTORY

VISVESVARAYA TECHNOLOGICAL UNIVERSITY – VTU

BMS INSTITUTE OF TECHNOLOGY,
B.E. ELECTRICAL & ELECTRONICS ENGINEERING,
2003–2007

- Graduated with 64%
- Reached semi final Inter college chess competition
- Learnt C and C++ ,created self made algorithm for LCM & HCF, fibonacci series and prime numbers.

G & H HIGH SCHOOL

1999 – 2001

- Higher secondary in Physics, Chemistry & Maths,
- Having interest in Physics & Maths, taught various student for engineering preparation

PROFESSIONAL HISTORY

PROJECT MANAGER

CONCENTRIX GLOBAL | MAY 2017 – PRESENT

- Implement and develop product providing innovative AI Solutions with a beautiful User Interface.
- Manages the Artificial Intelligence team
- Ensures major projects follow established timeline

DATA SCIENTIST

CONCENTRIX GLOBAL | MAY 2017 – PRESENT

- Developed and designed information systems for clients
- Assisted team with various aspects of projects
- Managed team when team lead was unavailable

CHARACTER REFERENCES

Cloud Architect, ANOOP NIRANJAN,
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Std Charter Bank
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EMPLOYMENT HISTORY

Oct 2015-Till Now

PROJECT MANAGER & DATA SCIENTIST

CONCENTRIX GLOBAL

- Provided AI Solutions with a beautiful User Interface.
- Manages the Artificial Intelligence team
- Ensures major projects follow established timeline

Mar 2014-Aug 2015

UI LEAD

CA TECHNOLOGIES

- Designed User Interface for enterprise mobile application
- Improved and expanded project platforms using JavaScript to develop rich User Interfaces.

Mar 2013-Aug 2013

SOFTWARE CONSULTANT

MOBILE OPS

- Developed UI in AngularJS, JQuery and HTML,CSS
- Build device friendly product for multiple sizes

Feb 2012-Mar 2013

SOFTWARE ENGINEER

ABB GLOBAL

- Developed UI in HTML,CSS & JQuery
- Build web application on asset management

Apr 2010 -Dec 2011

UI DEVELOPER

WDC TECHNOLOGIES

- Developed UI in JQuery and HTML,CSS & Javascript
- Build browser friendly telecom ecommerce website

July 2007-Mar 2010

SOFTWARE ENGINEER

TARAMS SOFTWARE TECHNOLOGIES

- Developed UI in HTML,CSS & JQuery and Struts
- Build web application on education based applications