# ROBIN K PHILIP

## Machine learning / Python Engineer

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## SUMMARY

As a Machine Learning engineer and Python developer , I specialize in leveraging frameworks like SciPy, NumPy, and Matplotlib to drive data-driven solutions. With hands-on experience in projects such as building a student CRM system with Python Django and creating sales prediction models using Pandas and Scikit-learn, I'm committed to delivering impactful ML solutions. My background in finance and fintech, along with expertise in database engineering and data processing, further strengthens my ability to drive organizational success through innovation and excellence.

## EDUCATION

### Bachelor of Computer Applications (BCA)

**Bangalore North Nniversity, Bangalore**

📅 2021 - 2023    📍 Bangalore, KA

GPA
**7.8** / 10

## PROJECT

### Sales Prediction

**Machine Learning Engineer - Intern**    📅 2024 - Present    📍 Kochi, KL

This machine learning project focuses on predicting product sales based on advertising expenditures across various channels. Leveraging Python libraries like Pandas, NumPy, Matplotlib, and Scikit-learn, the project involves data preprocessing, exploratory analysis, model development, and evaluation to provide actionable insights for optimizing advertising strategies and maximizing sales revenue.

· Data collection and preprocessing: Gather datasets on advertising spending and sales figures, and preprocess them using Pandas for data integrity.
· Exploratory data analysis (EDA): Analyze data using NumPy and Matplotlib to uncover trends and correlations between advertising expenditures and sales.
· Model development: Utilize Scikit-learn to develop predictive models, including linear regression and ensemble methods, to capture relationships between advertising investments and sales outcomes.
· Model evaluation and interpretation: Conduct rigorous evaluation of model performance and interpret model outputs and feature importance metrics to derive actionable insights for optimizing advertising strategies.

### StudentHub - Educational Management Platform

**Junior Python Developer**    📅 2024 - 2024    📍 Kochi, KL

The CRM Student project, powered by Django, serves as a comprehensive web application for managing student data within educational institutions. It offers streamlined functionalities for enrollment, academic records, communication, and scheduling, fostering smooth interaction among administrators, teachers, and students.

· Detailed profiles housing personal and academic data, facilitating efficient management.
· Integrated messaging and email functionalities enable seamless interaction among stakeholders.
· Assignment, scheduling, and reminder features ensure organizational efficiency and productivity.
· Robust reporting capabilities provide insights into attendance, performance metrics, and trends, aiding informed decision-making.

## SKILLS

### Programming

Python   SciPy   NumPy   Matplotlib

Django   Panda   SQL   Java

Javascript

### Databases & Servers

AWS   Django ORM   PostgreSQL

MongoDB   Node JS   Express

### Development

GIT   PyCharm   VS code   GitHub

Postman

## STRENGTHS

🕐 **Time management**
Prioritizes essential tasks so they are not rushed. Sets deadlines that ensure reaching milestones on time.

</> **Problem Solving**
Proficient in dissecting intricate issues, pinpointing underlying factors, and crafting streamlined resolutions

👥 **Team work**
Demonstrates a strong aptitude for collaboration, effectively contributing within team settings.

⚙ **Adaptability**
I remember that change is not personal and is inevitable. I break my projects into multiple parts so that if something goes wrong, I can quickly fix it.

🎧 **Accountability**
I take ownership of my mistakes. By doing that I learn what I did wrong so that it does not happen again.