

# JOHN BERNAD JOHNSON

Ernakulam, Kerala

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## **SKILLS**

- Languages: C, C++, Python, Java, JavaScript, HTML, CSS, SQL
- OS: Windows, Mac, Linux – Kali Linux
- IDE: Visual Studio Code, PyCharm
- Interests: Cyber security, Data Analysis, AI/ML
- Other: Flask, SQLAlchemy

### **Additional Skills**

- Excellent communicator, well-organized, outstanding leader, and teammate.
- Strong time management, passionate, creative problem solving and analytical skills.
- Eager to learn new technology and have a keen eye for detail.
- Able to multitask and work under minimal supervision.

## **ACADEMIC PROJECTS**

### **Airline Data Analysis and Prediction System**

October 2023 – April 2024

#### **Main Project, RSET**

- Led the development of a project which predicts future air-ticket prices, it involves Machine Learning and Data Visualisation using PowerBI.
- Developed a system that gives users accurate price predictions for specific routes and travel dates, assisting them in making well-informed travel budgeting decisions.
- Created visualizations of historical price trends, helping users identify the best times to book their flights.
- Implemented daily web scraping and incremental learning processes, ensuring our model continually updates and refines its predictions based on the latest data, thus adapting to market fluctuations and airline pricing strategies to provide users with up-to-date insights.

### **Farmers Management System (FMS)**

May 2023 – August 2023

#### **Mini Project, RSET**

- Developed and implemented a user-friendly web application enabling farmers to directly sell their products to customers, eliminating intermediaries and maximizing profits.
- Created a seamless platform within FMS, allowing farmers to easily create profiles, list their products, and interact with customers, streamlining the online sales process.
- Facilitated global collaboration among farmers by incorporating a discussion forum in FMS, fostering a supportive community for knowledge sharing, experience exchange, and advice-seeking, empowering new farmers to overcome challenges and learn farming techniques.

### **Batsmen's run rate calculator in C++**

At School

- Develop a basic program to calculate the run rate of batsmen in cricket

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## EDUCATION

**Rajagiri School of Engineering and Technology (Autonomous), Kochi** November 2020 – June 2024

- Bachelor of Technology (B.Tech) – Information Technology
- Graduated with no history of backlogs.

**Chavara CMI Public School, Kottayam, Kerala** June 2018 – March 2020

- Graduated grade 12 with 90.2%

**International Indian School, Riyadh** June 2014 – March 2018

- Graduated grade 10 with 92.2% and scoring the highest marks in the school for French.

## CERTIFICATIONS

**Technical Support Fundamentals, Google** August – October 2021

**Bits and Bytes of Computer Networking, Google** April – May 2021

**Internship, NeST Institute of Fibre Optics** October 2022

- Familiarized with Kali Linux.
- Actively participated in multiple capture the flag exercises.

## LANGUAGES

- English (Professional Proficiency)
- Malayalam (Native Language)
- Hindi (Limited Proficiency)
- French (Basic proficiency)

## VOLUNTEERING EXPERIENCE

- Participated in various seminars and webinars as a member of Innovation and Entrepreneurship Development Center (IEDC).
- Representative of placement cell at RSET.
- Conducted social activities as a part of Social Education and Basic Awareness (SEBA) at Chavara CMI Public School.