europass

Bharath Prakash

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Home: Bengaluru (India)

WORK EXPERIENCE

Software Engineer - Developer

Boeing India Private Limited [16/08/2023 – Current]

City: Bengaluru | **Country:** India

Currently working as a **Software Engineer** for the **International Space Station (ISS) Program** at **Boeing**
Database Migration from MSSQL to MySQL Server:

- Automated the migration of databases from MSSQL to MySQL using Python, ensuring accurate data integrity through post-migration verification scripts.
- Updated Python-based applications and legacy VB6 tools for seamless compatibility with the new MySQL database.
- Migrated Transact-SQL scripts and developed Python modules for table mapping and process optimization.

People and Event Management:

- Organized team-building and cultural events to foster team collaboration, engagement, and morale.

Intern

Bosch Limited [09/02/2023 – 17/03/2023]

City: Ramanagara | **Country:** India

Worked on diesel pump assembly and testing, including performance analysis of fuel injection and CBx high-pressure pumps. Conducted test bench evaluations and used data analysis to assess pump performance.

EDUCATION AND TRAINING

Bachelor of Engineering (B.E)

M S Ramaiah Institute of Technology [08/2019 – 05/2023]

City: Bengaluru | **Country:** India | **Field(s) of study:** Electronics and Instrumentation Engineering | **Final grade:** 7.85/10 CGPA

Pre-University College

Vidhya Mandir Independent Pre-University College [2017 – 2019]

City: Bengaluru | **Country:** India | **Field(s) of study:** PCMC | **Final grade:** 73.8%

Secondary Education

ST Mary's High School [2017]

City: Bengaluru | **Country:** India | **Field(s) of study:** SSLC | **Final grade:** 92.80%

DIGITAL SKILLS

Python / SQL / Microsoft SQL Server / MySQL / Transact-SQL / HTML / CSS / JavaScript / ReactJS / Redux / TailwindCSS / C / C++ / PyQT5 / Visual Basic for Applications / MATLAB / NI LabVIEW / NI Multisim / PLC - Ladder Programming

PROJECTS

[07/2024 – 08/2024]

E - CoderShelf

Built an e-commerce platform using ReactJS, Redux, Advanced CSS, TailwindCSS, and JSON Server, enabling users to browse and order books with a user-friendly interface for efficient book management.

[01/2023 – 04/2023]

The Data Transmission Technique Using Low-Cost Li-Fi

Designed a low-cost Li-Fi system with an ESP32 microcontroller to transmit text, audio, and images, leveraging MATLAB-based signal processing algorithms to minimize noise and ensure reliable communication.

[04/2022 – 07/2022]

Automation of Phototherapy for Neonatal Jaundice Patients

Engineered an automated phototherapy device for neonatal jaundice using ESP32, incorporating image-based detection, non-invasive bilirubin analysis, treatment automation, and real-time cloud notifications for caregivers.

[01/01/2022 – 31/01/2022]

Student Information System (SIS)

Developed a secure Student Information System in C# for managing student registration, login, course enrollment, and hall ticket generation in a single streamlined platform.

CERTIFICATES

[09/2024]

AWS Security Essentials - AWS Training and Certification

[06/2024]

Developing Front End Apps with React - edx (IBM)

[06/2024]

Technical Support Fundamentals - Coursera (Google)

[11/2022]

Data Structures & Algorithms Essentials using C++ (2022) - Udemy

[03/2022]

Programming for Everybody (Getting Started with Python) - Coursera (University of Michigan)

[01/11/2021 – 30/11/2021]

Industrial Automation Based Professional Training Program - LabView Academy (NI Instruments)

CONFERENCES & SEMINARS

[05/2023] P.S.V College of Engineering and Technology, Tamil Nadu, India.

A National Level Technical Symposium - TEKWARZZ - 2023

Presented a Bachelor's Thesis on Li-Fi-based Data Transmission at the National Level Technical Symposium, recognized for its innovative use of visible light and practical engineering solutions.

[12/2022] Ramaiah Institute of Technology

Digital Twin for Oil Pipeline Risk Estimation using Prognostic and Machine Learning Techniques

Delivered a seminar on Digital Twin technology for oil pipelines, highlighting the use of machine learning, IoT, and AI for risk prediction and real-time control in remote substations.

LANGUAGE SKILLS

Mother tongue(s): Kannada

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2