

# JOSEPH CIJO

+971 54 387 6350 | [joeen2704@gmail.com](mailto:joeen2704@gmail.com) | [f20220019@dubai.bits-pilani.ac.in](mailto:f20220019@dubai.bits-pilani.ac.in) | [joestar.vercel.app](https://joestar.vercel.app) |  
[linkedin.com/in/joseph-cijo-n](https://linkedin.com/in/joseph-cijo-n) | [github.com/joejo-joestar](https://github.com/joejo-joestar)

## EXPERIENCE

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- Intern** Aug. 2025 – Jan. 2026  
*Al Shirawi Equipment Co. LLC* Dubai, UAE
- Assisted Lean CoE activities, including creating an automated Oil and Gas newsletter
  - Developed Project Management KPI and RFQ Management dashboards using Google Looker Studio
- Microprocessors and Interfacing Laboratory Professional Assistant** Feb. 2025 – May. 2025  
*Birla Institute of Technology and Sciences, Pilani* Dubai, UAE
- Assisted in the Microprocessors and Interfacing Laboratory, providing support to students during lab sessions
  - Facilitated the understanding of microprocessor concepts and interfacing techniques
- Summer Intern** June 2024 – Aug. 2024  
*Veehive* Dubai, UAE
- Led the Front-end Team to simultaneously develop an application interface alongside a product website
  - Coordinated in a cross-functional team environment, collaborating with middleware and backend developers

## EDUCATION

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- Birla Institute of Technology and Sciences, Pilani** Dubai, UAE  
*Bachelor of Engineering in Computer Science* Sept. 2022 – Present

## PROJECTS

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- OilGas-Wire** | *Cloud Run, BigQuery, Google Apps Script, Google Sheet* Aug. 2025 – Sept. 2025
- Created an automated newsletter for the Oil and Gas industry, utilizing Google Apps Script to fetch data from various RSS/Atom Feeds and populate a Google Sheet
  - Deployed the analytics pipeline on Google Cloud Run, ensuring scalability and reliability
- Portfolio Website** | *React, TypeScript, CSS, Unsplash-API, Axios* June 2025 – Present
- Developed a personal portfolio website to showcase projects and skills
  - Implemented a responsive design using React and TypeScript, ensuring compatibility across devices
  - Integrated Unsplash API for dynamic image loading and Axios for API requests
- A Hybrid NTRU-RLWE based HE Scheme** | *Python, TenSEAL, Matplotlib* Mar. 2025 – May. 2025
- Proposed a Proof-of-Concept of a hybrid homomorphic encryption scheme
  - Provided with future scope for full implementation of the scheme
- Fake News Detection Ensemble Model** | *Python, Scikit-Learn, PyTorch, Matplotlib* Mar. 2025 – May. 2025
- Implemented textual data preprocessing including text cleaning and augmentation
  - Carried out feature extraction using various methods to compare accuracy of base models
  - Performed soft and hard voting ensemble learning using base models
- Font Detection App: Frontend and Model** | *Python, Streamlit, PyTorch, Matplotlib, Pillow* Aug. 2024 – Oct. 2024
- Created a web application interface for font recognition, allowing users to upload and crop images
  - Implemented data preprocessing and integration of the trained CNN model into the web application
  - Created a custom dataset of 167 typefaces, including data augmentation techniques
  - Conducted thorough research on typeface classification and its applications in various industries
  - Analyzed and evaluated model performance using metrics such as accuracy, loss, and confusion matrices
- pBee.ai** | *React, TypeScript, Tailwind CSS, Formik, Axios, Amazon Web Services* June 2024 – Aug. 2024
- Developed a web application for pBee.ai, an AI-powered poster generation tool
  - Implemented key features such as user authentication, file uploads, and real-time chat functionality
  - Created wireframes and prototypes using Figma for the pBee.ai application
  - Utilized Framer to develop a responsive landing page

## EXPERTISE

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**Languages:** Java, Python, MySQL, C/C++, JavaScript/TypeScript, HTML/CSS,  $\text{\LaTeX}$ , Markdown

**Frameworks:** React, Node.js, Material-UI, Formik, Axios, Streamlit, TailwindCSS, framer-motion

**Libraries:** pandas, NumPy, Matplotlib, pyTorch, Pillow, Scikit-Learn

**Developer Tools:** Git (GitHub), VS Code, Figma, Framer, Postman, Amazon Web Services, Vercel

**Tools:** AutoCad, MS Office Suite, Adobe Illustrator

## OTHER SKILLS

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**Soft Skills:** Leadership, Problem Solving, Adaptability, Creativity, Time Management, Critical Thinking, Research

**General Skills:** Driving, Photography