

Melvin J Joseph

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EDUCATION

PES University

Bengaluru, India

Bachelor of Technology in Computer Science and Engineering

Sep. 2021 – Present (Expected Mar. 2025)

- CGPA: 8.47/10 (as of Jun. 2023)
- Relevant Coursework- Data Structures, Algorithms, Operating Systems, Computer Networks, Machine Intelligence, Software Engineering, Database Management Systems, Big Data, Data Analytics.

Deeksha Center For Learning PU College

Bengaluru, India

Pre-University Course

May. 2019 – Jun. 2021

- 95.6% in 2nd PU Boards

PROJECTS

Vinhal | *Rust, Python, Git*

Jun. 2023 – Present

- Developed a machine learning library in rust that can be invoked from Python.
- Increased the efficiency by 20% -40% for training machine learning models.
- PyO3 bindings (Maturin) used to integrate Rust and Python.
- Learning algorithms implemented from scratch without any external libraries.

Tic Tac Toe | *Python, Socket API*

Mar. 2023 – Apr. 2023

- Implemented a tic tac toe game that enables two users to play in separate nodes connected over the network.
- Two device interfaces interacted with each other using the socket API in Python.
- Easy to use interface right on the terminal

Restaurant | *JavaScript, React, Node.js, MongoDB, Express.js, Vercel*

Oct. 2022 – Dec. 2022

- Created a ready to deploy full-stack restaurant web application.
- Used React to develop an interactive user interface.
- Integrated with MongoDB to store booking information in real time.
- Deployed the front-end of the application using Vercel.

TECHNICAL SKILLS

Languages: Python, C, Rust, SQL (Postgres, SQLite), Hbase, Hive, JavaScript, MongoDB, HTML/CSS

Frameworks: Hadoop, Tensorflow, Keras, Pytorch, React, Node.js

Developer Tools/Technologies: Git, VS Code, Jupyter, GitHub, Vercel

Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, OpenCV

AWARDS/ POSITIONS OF RESPONSIBILITY

Technical Core

Aug. 2023 – Present

Predict This! PESU ECC

- Selected as part of the technical core of Predict This!- the AI-ML club of the campus.

Core Team Member

Aug. 2022 – Jul. 2023

Google Developer Student Clubs PESU ECC

- Mentored participants in Override -an app design and development hackathon and CSS Battles - a CSS design competition conducted by Google Developer Student Clubs PESU ECC in collaboration with other clubs in the camp such as ACM PESU ECC Student Chapter.

Prof. MR Doreswamy Merit Scholarship Award

Jan. 2023

PES University

- 40% tuition fee waiver awarded to the top 20% students in the department.

Distinction Award

Aug. 2022

PES University