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*   June 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
- Developed 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
- Developed 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), JavaScript, MongoDB, HTML/CSS
Frameworks: 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 RESPONSIBILTY

Core Team Member   Aug. 2022 – Jul. 2023
Google Developer Student Clubs PESU ECC
- Mentored participants in Override -an app design and development hackathon conducted by Google Developer Student Clubs PESU ECC.
- Mentored participants in CSS Battles - a CSS design competition conducted by Google Developer Student Clubs PESU ECC and ACM PESU ECC Student Chapter.

Prof. MR Doreswamy Merit Scholarship Award   January 2023
PES University
- 40% tuition fee waiver awarded to the top 20% students in the department.

Distinction Award   August 2022
PES University