Mevin Jose

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EDUCATION

PES University   **2023-2027**

CGPA:7.54

B.Tech, Artificial Intelligence and Machine Learning

- **Relevant Coursework:** Data Structures and Applications, Operating Systems, Database Management Systems, Computer Networks, Software Engineering, Machine Learning

WORK EXPERIENCE

Superhhero Learning   **July 2025–Sept 2025**

Web Development Intern

- Addressed the challenge of creating a scalable and responsive platform by developing and deploying a full-stack **MERN** application, which became the official landing page for **Superhhero Learning**
- Tackled frontend-backend communication delays by collaborating with **4+ developers**, streamlining integration, and reducing development time by **25%.**
- Improved performance bottlenecks by optimizing backend APIs and ensuring cross-platform compatibility, resulting in a **10% faster** load time

SOFTWARE PROJECTS

[PDF Extraction Playground](#)

- Built a full-stack PDF extraction platform using **FastAPI and Next.js**, enabling multi-model processing (Surya, Docling, MinerU) and achieving **99% extraction reliability** with PyMuPDF fallback.
- Deployed on Modal and Vercel, improving PDF processing speed by **35%** and enhancing usability with a dual-pane annotated viewer for model comparison.

[AI Voice Assistant for LeetCode](#)

- Developed an **NLP-powered voice assistant** using **ElevenLabs Conversational AI and spaCy**, enabling natural LeetCode problem recommendations by tag, difficulty, and company.
- Enhanced productivity for users by **automating 50+ problem queries** and improving query understanding accuracy by **30%** over rule-based methods.

[CT-Based Radiomics for COVID-19 Triage](#)

- Implemented a **radiomics-based ML pipeline** using **LightGBM and XGBoost** to predict ICU admission, ventilation, and mortality from chest CT scans.
- Achieved **up to 0.97 AUROC** on ICU prediction tasks, validating a multi-modal "RadioClinLab" feature approach that improved risk classification performance by **20%.**

[Superhhero Learning Website](#)

- Collaborated with a **team of 4 developers** to build and deploy a MERN-based ed-tech platform, improving frontend–backend integration and cutting development time by **25%.**
- Optimized backend APIs and UI performance, resulting in a **10% faster load time** and **cross-platform compatibility** across devices.

CERTIFICATIONS & SKILLS

- **Certifications:** [Google Data Analytics,](#) [IBM Generative AI,](#) [Meta GenAI in Data Analytics](#), [Microsoft Computer Vision (Azure),](#) [Kaggle ML & DL](#)
- **Skills:** Machine Learning, Deep Learning, Generative AI, Computer Vision; Git, Azure Cognitive Services, Google Colab, RStudio, Tableau, Data Analysis, Data Visualization
- **Technologies/Languages:** Python, C, Java, JavaScript/TypeScript, SQL, React, Node.js, Express, MongoDB, PostgreSQL, MySQL, HTML5/CSS3, R Programming