Anca Ann Shibu

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EDUCATION

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT   Bengaluru, Karnataka
Bachelor of Engineering - Computer Science and Engineering with Honours   Nov 2022 - Present
- Current CGPA: **9.03**

ST. VINCENT PALLOTTI SCHOOL   Bengaluru, Karnataka
ISC, PCMC   2020-2022
- School Topper with **96.80%** overall and Subject Topper in Mathematics and Physics in Class XII

ICSE   2010-2020
- Scored **96.10%** overall and Subject Topper in Computer Science in Class X

EXPERIENCE

NULLCLASS EDTECH PVT. LTD.   Bengaluru, Karnataka
Data Science Internship   Sep 2024 - Nov 2024

Worked on generative AI for image colorization, implementing deep learning models to enhance historical image restoration.
- Designed custom CNN architectures without using pre-trained models, ensuring original training and optimization.
- Conducted hyperparameter tuning to improve model accuracy and performance, achieving significant enhancements in PSNR and SSIM metrics.
- Performed troubleshooting to resolve model errors and optimized network architectures.
- Built an automated evaluation pipeline, calculating precision, recall, and confusion matrices for different hyperparameter configurations.

KEY PROJECTS

AI - Powered Cross Platform Compliance Management System for CIS Benchmark Auditing   (Nov 2024 - Present)
- Currently working on developing an automated compliance auditing system for Windows 11 and Linux OS, based on CIS Benchmarks.
- Working on implementing AI-driven rule-based analysis to assess system configurations and detect security misconfigurations.

Online Course Management System   (Dec 2024 - Feb 2025)
- Developed a web-based platform to manage courses taken by students on external platforms like Coursera, Udemy, NPTEL, Infosys Springboard and Scaler.
- Designed a user-friendly interface for students to log their completed courses and certifications.
- Integrated authentication and role-based access control, allowing college administrators to track student progress.

Task Manager   (Jan 2024 - Feb 2024)
- Implemented in C++ to manage users and tasks using a priority queue, with user suggestions based on task load and tracking of task completion times.
- Ensures efficient data storage and retrieval through file operations.

SKILLS SUMMARY

- Programming Languages: C++, Java, Javascript, PHP, VHDL, SQL
- Data Science: PyTorch, NumPy, MATLAB, Matplotlib, OpenCV
- Softwares and Frameworks: Git, React, Node.js, MongoDB, HTML5, CSS
- Soft Skills: Strong written and verbal communication, teamwork, problem-solving, time management, adaptability

EXTRACURRICULARS

- Volleyball : Winner of Inter - Department Tournament; 4th Place in VTU Inter-Collegiate Division-Level Tournament, and qualified for State-Level Tournament.
- National Service Scheme (NSS): Participated in community service initiatives, including park cleaning drives to promote environmental sustainability.
- Annual College Fest: Collaborated in Art & Decor and Marketing teams, managing tasks efficiently to ensure event success.