Sairaj Pai

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EDUCATION

K.C College of Engineering   2022 – 2026
Bachelors in Engineering (Information Technology)   *C.G.P.A : 8.74*

V.G. Vaze College of Science, Commerce and Arts   2020 - 2021
11th and 12th Education   *CET Score : 87.84 percentile*

TECHNICAL SKILLS

Programming & Frameworks: Python, Java, C, SQL, Bash, Linux/Unix, Flask, FastAPI, ReactJS, Express, MongoDB, NodeJS

Tools & Libraries: Git, Canva, Render, VS Code, PyCharm, Figma, SQLAlchemy ORM, pandas, NumPy, Matplotlib, GnuPG, PRAW, Bootstrap

PROJECTS

ReadNexus: Book Recommendation System | *Flask, Python, sentence-transformers*   March 2024 – July 2024
- Built a full-stack recommendation system using semantic search (SBERT), collaborative filtering, and popularity algorithms.
- Generated vector embeddings from 40K+ book summaries and computed cosine similarity for matching.
- Processed and integrated 300K books dataset with efficient local storage (Pandas + Pickle).

Filelinker | *Python, Flask, SQLAlchemyORM, PostgreSQL, Cloudinary, REST APIs*   Jan 2025 - Feb 2025
- Engineered a secure file-sharing platform with improved accessibility and optimized database queries.
- Enhanced PostgreSQL response times and integrated upload and URL shortening APIs.

Openmedia | *Flask, SQLAlchemyORM, HTML, CSS, Bootstrap*   Feb 2024 – April 2024
- Developed a media management app supporting 10+ formats with responsive UI.
- Optimized SQLAlchemyORM database queries for faster access.

SmartSpend | *ReactJS, Express, MongoDB, NodeJS, Axios, Figma*   Sept 2024 - Nov 2024
- Architected backend and designed UI with real-time updates achieving 99% uptime for expense tracking.

Diary | *Python, GnuPG*   Feb 2024 – March 2024
- Developed a CLI encrypted diary using RSA-4096 and AES-256, ensuring full data security and integrity.

CERTIFICATIONS

- **Cisco - JavaScript Essentials, Python Essentials**   2023–2024
- **EduSkills - Android Virtual Internship**   Dec 2024
- **EduSkills - Data Science Master Virtual Internship**   Sep 2024
- **EduSkills - Networking Virtual Internship**   Mar 2024
- **EduSkills - CyberSecurity Virtual Internship**   Nov 2023
- **Coursera - IOT Devices**   Feb 2025

ACCOMPLISHMENTS

Ranked 1st in class with a 9.74 SGPI; consistently in the top 5 academically.

Member of IETE and Charge D'Affaires at Vaze Model United Nations (VazeMUN).

Winner of IETE Inter-Collegiate TechBate 2025; represented college at 19th Aavishkar Research Convention 2024–25.