Toby M. Mathew

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SUMMARY

As a final-year Computer Science student, with a strong foundation in data science and a passion for its application in solving real-world problems. Leading initiatives at Apna MeetUp, I foster vibrant community engagement and networking, demonstrating strong leadership and interpersonal skills. My enthusiasm for coding, problem-solving, and collaboration drives me to contribute meaningfully to innovative tech projects.

EDUCATION

Mar Baselios College of Engineering and Technology   Trivandrum
B.Tech in Computer Science and Engineering   *CGPA: 8.76*

Narayana Junior College   Bangalore
Grade 12: 85.4%

Orchids The International School   Bangalore
Grade 10: 83.4%

EXPERIENCE

Co-Founder   July 2024 – Present
Apna Meetup
- Co-Founded a thriving community of over **7,000+** members, curating job postings, organizing meetups, and ensuring a professional and inclusive environment.
- Coordinated high-impact meet-up events and workshops, including a collaboration with GDG Ranchi for DevFest, to promote skill development and networking for students and professionals.

SKILLS

- **Programming Languages**: Python, Java, C, MySQL, PostgreSQL, JavaScript, PHP
- **Web Development**: HTML, CSS, React, Tailwind CSS
- **Data Science & Machine Learning:** Pandas, Scikit-learn, Matplotlib, Seaborn
- **Soft Skills**: Problem Solving, Team Leadership, Management, Communication, Collaboration, Strong Work Ethic

PROJECTS

PCOS Detection Using Advanced Imaging with Swin UNETR Model — GitHub
- Engineered a 3D deep learning model using MONAI Swin UNETR to automate PCOS diagnosis from 2D ultrasound scans, achieving 92.94% accuracy and providing a fast, reliable alternative to subjective manual methods.
- Deployed the model into a full-stack Streamlit web app enabling clinicians to upload scans for instant analysis, with diagnostic reports securely managed in a Supabase database.

Nursing Station Student Entry Management — GitHub
- Developed a robust, role-based student entry management system using Java Swing to digitize and secure patient records for a college nursing station, replacing a manual, paper-based process.
- Implemented an SQL-backed database to securely log and manage sensitive student health issues, prescribed medications, and visit timestamps, ensuring data integrity and confidentiality.

Tesla Volume Spike Analysis GitHub
- Analyzed historical TSLA stock data to develop a predictive model, successfully identifying and forecasting price movements triggered by significant trading volume spikes.
- Deployed this model into an interactive Streamlit dashboard to visualize the analysis, display model predictions, and provide a tool for data-driven insights.

ROLES

Community and Outreach Lead at Catalyst(MBCET IEDC)
- Led outreach initiatives and managed communications to expand community engagement and foster strategic partnerships.