BARANIDHARAN S

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EDUCATION

Madras Institute of Technology   Oct. 2022 – Present
BE Computer Science and Engineering - CGPA: 8.43

Vidhya Giri Matriculation Higher Secondary School   Jun. 2021 – May 2022
HSC - Percentage: 96%

Kamban Karpakam Matriculation Higher Secondary School   Jun. 2019 – Mar. 2020
SSLC - Percentage: 93.4%

EXPERIENCE

App Development Co-Lead – Google Developers Group   Oct. 2024 – Present
- Developed a transformative app that optimizes the student canteen experience by eliminating wait times and enabling paperless, cashless transactions for seamless convenience

Web Team Head – Book Readers Club, MIT   Mar. 2024 – May. 2025
- Led the development and management of the BRC college's club website, including the implementation of a book borrowing system that streamlined the process for members, enhancing user engagement and promoting club activities

PROJECTS

SurplusServe | *Flutter, Firebase, Google Maps API, FCM, Vertex AI*   May 2025 – Jul 2025
- Built a Flutter app that connects food donors and receivers with real-time listings and geolocation-based matching
- Enabled role-based login, FCM push notifications, and live map routing using Firebase Cloud Functions and Google APIs
- Integrated Vertex AI to generate personalized notification messages based on uploaded food details

Smart App Review Analyzer | *React, Node ,MongoDB, ML Models, Pytorch, Transformers* Feb 2025 – Apr 2025
- Built an NLP-driven system using BERT-LSTM and DistilBERT for sentiment analysis of mobile app reviews
- Extracted key features using LLMs (Distilled Mistral) and performed semantic clustering to identify top user concerns
- Designed a feature-weighted rating model using Bayesian scoring, offering a fair alternative to traditional star ratings

Bibliomania | *HTML, CSS, Javascript, PHP, SQL*   May 2023 – Apr 2023
- Created a book reviewing website that allows users to write reviews and organize books into shelves like "To Read," "Reading," "Read," and "Favourite" to track their reading habits
- Users can share their thoughts and opinions by leaving reviews for the books they've read, fostering a community of book enthusiasts
- Built with PHP and MySQL for efficient data management and secure storage of user preferences and reviews

TECHNICAL SKILLS

Languages: C++, C, Java, Python, JavaScript, PHP, HTML, CSS
Databases: Mysql, MongoDB, Firebase
Frameworks/Libraries: Flutter, React, Node.js
Developer Tools: Git, GitHub, VSCode, IntelliJ, Android studio, Figma, Firebase studio
Soft skills: Problem Solving, Leadership, Team-Oriented Approach

ACHIEVEMENTS

- **Chairman**, **Association of Computer Technologists**: Currently leading the student body of the Computer Technology Department, organizing initiatives for peer development and welfare

- **Runner-up**, **HackerHer Hackathon** : Developed a legal assistance chatbot to provide legal assistance to women, hosted by CSMIT

- **Solved 300+ Coding Problems**: Strengthened data structures and algorithmic skills on various coding platforms