ANBUCHELVAN K

MACHINE LEARNING ENTHUSIAST AND PASSIONATE SOFTWARE DEVELOPER

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PROFILE SUMMARY

A strong believer in the power of Computer Science and creative thinking to enhance societies and make a positive impact on the world. I believe in collaboration for building a better future, emphasizing my communication and teamwork skills.

EDUCATION

PSG Institute of Technology and Applied Research   2021 - PRESENT
Bachelor of Computer Science and Engineering   *Current **CGPA** - **8.67***

Velammal Matriculation Higher Secondary School   2020 - 2021
Higher Secondary Education - Computer Science (XII)   ***97.07%***

Velammal Matriculation Higher Secondary School   2018 - 2019
Secondary Education (X)   ***96.2%***

AREAS OF INTEREST

- Data Structures
- Database Management
- Computer Networks
- Operating Systems

WORK EXPERIENCE

- ***Web and ML Project Intern*** 🔗 | SAP Labs India   **April 2024 - PRESENT**
  Leading a collaborative effort to develop an innovative ***Expense Feedback System*** utilizing ML (Generative AI) techniques like ***RAG*** and ***SLM***, adhering to proper ***SDLC*** methodologies.

- ***Software Development Project Intern*** 🔗 | SAP Labs India   **March 2023 - June 2023**
  Collaborated on a ***Unity*** project that immersively projects a ***3D environment of an infrastructure***, enabling seamless user navigation across multiple floors.

- ***Cloud Computing Intern*** | eSilicon Labs (Startup)   **February 2023 - July 2023**
  Developed ***AWS*** projects utilizing services like ***Amazon S3*** and ***Amazon CloudFront*** for scalable video storage and streaming solutions, demonstrating expertise in cloud architecture and integration.

PROJECTS

- ***Claim AI*** 🔗 | ML, ReactJS, Python with Flask, MongoDB, ChromaDB, SLMs
  A project for automating expense management like reimbursement using ML Techniques (***RAG***) and ***Phi3*** language model for ***NLP*** using ***Python***, ***ChromaDB*** for vector data storage, ***Flask*** for backend connectivity, ***ExpressJS*** with ***JWT*** for secure authentication, ***ReactJS*** for frontend development with ***MongoDB*** as Database*.*

- ***MetaView360*** 🔗 | Unity, JavaScript, Quest2 VR Headset
  A project that enables users to view the infrastructure of a building in ***3D*** via **VR goggles** or ***keyboard and mouse navigation***. Developed using ***Unity*** and ***JavaScript***, this immersive experience allows detailed exploration and interaction with virtual building environments.

- ***Competify (Under development)*** 🔗 | ReactJS, SpringBoot, ExpressJS, MongoDB
  Developing an innovative project for my college to help students find competitions and events organized by college, using ***Spring Boot***, ***Python***, ***React***, and ***MongoDB***. Leveraged Python for scraping with ***beautiful-soup***. Ensured robust security with Spring Security and enhanced the UI with ***Material UI*** for a sleek and user-friendly experience.

TECHNICAL SKILLS

- ***Languages*** : C/C++, Java, JavaScript, Python.
- ***Databases*** : MySQL, MongoDB.
- ***Frontend Technologies***: ReactJS, Angular, HTML, CSS.
- ***Backend Technologies***: Spring Boot, Express JS.
- ***Data-oriented:*** PowerBI, Few Python Libraries

ROLES AND RESPONSIBILITIES

- NSS Volunteer.
- Lead for Competify (An initiative to help students).
- Hostel Amenities Representative.
- Dramatics Club Secretary.

ACHIEVEMENTS

- Won **2nd place** in Blind-Coding conducted during Yugam 2023 (KCT).
- **3rd place** in Code-Debugging event conducted by Karpagam College, Coimbatore.

CO AND EXTRA CURRICULAR ACTIVITIES

- Learning new tools & frameworks.
- Trading.
- Volunteering at MAD (Make a Difference).
- Badminton & Gym.
- Sudokus