Ajay C S

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Education

Siddaganga Institute of Technology, Tumkur
Bachelor of Engineering: Artificial Intelligence and Data Science **2021 - 2025**
CGPA: 7.52

Vidyanikethan PU College, Tumkur
Class 12th **2020 - 2021**
Percentage: 92.7%

Skills

Languages: C, C++, Java, Python
CS Fundamentals: OOP, OS, DSA, DBMS
Databases: MySQL, MongoDB
TechStacks: Express, React, Node. js, Next.js
Tools: VS Code, Git, GitHub, AWS, Dialogflow
Soft Skills: Communication, Teamwork, Adaptability

Projects

NLP HRE -NLP, Express.js, MongoDB, Android Development
- Developed a **Automated phone call feature** from the server to the app.
- Created a **Voice bot and Chat bot** for HR employee management using Dialogflow NLP API.
- Integrated backend server with Dialogflow API via webhook.
- Built a frontend application with two login interfaces using OWN API connected to the database.

Multilingual Text Identification with its Topic Categorization - NLP, ML, ANN —— **GitHub**
- Developed a **BERT-based language detection system** for diverse languages with improved accuracy.
- Used **TF-IDF** with a fine-tuned BERT classifier to enhance multilingual topic categorization.
- Designed a scalable system for handling large datasets with high-performance computing resources.
- Implemented efficient training strategies and early stopping to optimize resource usage and performance.

Ebooks Digital Reading Platform - MERN stack —— **GitHub**
- Developed a Kindle-inspired ebooks platform using MongoDB, Express.js, React, and Node.js.
- Designed a scalable architecture using MongoDB Atlas for efficient storage and retrieval of book data. Integrated PDF rendering capabilities to allow users to read books directly within the web application.
- Utilized Postman for robust API testing, ensuring reliable communication between frontend and backend. Implemented features for easy account creation, book browsing, and a user-friendly reading interface.

Positions of Responsibility

Board Member, **IEEE SIT SB, SIT TUMKUR** **April 2022 − June 2024**
- Helped organize events such as WIE Code and IdEEEas flagship event.

Certifications and Achievements

- **Advanced DSA Live Training Program** - GeeksforGeeks
- **Participated in WIE CODE (2024), a 12-hour National level Hackathon held by IEEE**
- **CCNAv7: Introduction to Networks** - CISCO Networking Academy
- **Artificial Intelligence: Build 7 AI + LLM & ChatGPT** - SuperDataScience Team