Varun M

Arcot-India

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Education

C Abdul Hakeem College of Engineering and Technology	**Sep. 2021 – May. 2025**
Bachelor of Engineering in Computer Science - CGPA : 9.1	*Ranipet, Tamil Nadu*

Shri.S.B.S.C.Vivekananda Vidyalaya	**Jun. 2019 – May. 2021**
Higher Secondary - Score : 91%	*Mudichur, Tamil Nadu*

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Objected oriented
- Software Methodology
- Database Management
- Internet Technology
- Computer Networks

Technical Skills

Languages: Python-(Numpy,Pandas,Scikit-Learn), Java, C, HTML/CSS, JavaScript, SQL.
Developer Tools: VS Code, Eclipse, Android Studio, Atom.
Technologies/Frameworks: Linux, Flutter, GitHub, Firebase, WordPress, Pytorch.

Experience

Mitacs Globalink Research Internship'24	**Jul. 2024 – present**
Research Intern - Thompson Rivers University	*British Columbia, Canada*

- Developing and implementing machine learning models using PyTorch to analyze and predict patterns in networking data.
- Applying advanced techniques in data preprocessing and feature engineering tailored for dynamic and heterogeneous network environments.
- Communicating technical findings and project outcomes to stakeholders, facilitating data-driven decision-making and project alignment.

Indworks	**Jul. 2023 – Jan. 2024**
Software Development Intern	*Chennai, Tamil Nadu*

- Accomplished Mobile App Developer at a bag production firm, demonstrating Flutter mastery for 30% user engagement boost. Focused on crafting exceptional interfaces for optimal client experiences.
- Leveraged Firebase for robust backend services, achieving a 40% improvement in data sync and a 25% boost in user authentication efficiency with enhanced security, strengthening operational integrity in bag production.
- Currently spearheading the development of Version 3, ensuring that our mobile application evolves with the latest industry standards and technological advancements, further solidifying our position as leaders in bag production technology
- Acquired Skills : Flutter, Dart, Firebase-Auth, Firestore, Git-Version Control

Projects

TO-DO APP | *Flutter, Cloud FireStore and Firebase Authentication*	**Aug. 2023**

- Facilitated streamlined daily planning with task creation, organization, and prioritization, enhancing efficiency, and used by 10 friends for note-making.
- Implemented a secure login and registration process, ensuring a 360% boost in user data and privacy protection.
- Engineered an intuitive dashboard, resulting in a 25% improvement in task management efficiency for users.
- Source code : Click here

MOVIE RECOMMENDATION SYSTEM | *Python, Numpy, Pandas, Scikit-Learn*	**Nov. 2022**

- Implemented collaborative filtering techniques, resulting in a 20% improvement in movie recommendations based on similar user preferences.
- Incorporated movie attributes like genre, actors, and directors to provide personalized suggestions, achieving a 15% increase in user engagement.
- Source code : Click here

Extracurricular

- Proposed an Idea in Smart India Hackathon 2023 regarding enhancing Tourism Experience.
- Technical Quiz Winner in National Science Day organized by National Council for Science and Technology 2020.
- Completed IR4.0 Foundation and Microsoft of Office65 Courses offered by Microsoft and SAP.