TV Vaisakh

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Career Objective

Dynamic IT undergraduate with a flair for crafting innovative solutions using Python, MySQL, R, C++, and web technologies. My passion for technology shines through in projects like an AI-powered mental health monitoring system, designed to make a meaningful impact on well-being. Eager to join a forward-thinking team where I can harness my technical expertise and creative problem-solving to drive cutting-edge solutions and grow as a professional.

Education

B.Tech, Information Technology 2021 – 2025

Government Engineering College, Idukki, Kerala

- CGPA: 8.7/10 (as of latest semester)
- Key Coursework: Artificial Intelligence, Data Structures, Database Systems, Web Development, Machine Learning
- Thesis: Developing an AI-driven emotion detection system for mental health applications

Experience

Technology Coordinator, Tinkerhub July 2024 – August 2024

Non-Profit Organization, Kerala

- Spearheaded tech workshops and hackathons, empowering 150+ students with hands-on skills in Python and web development.
- Led a team of 12 coordinators to design interactive learning modules, boosting participant engagement by 25%.
- Fostered a vibrant tech community, growing event attendance by 30% through strategic outreach.

Key Projects

AI-Powered Mental Health Monitoring System 2023 – 2024

- Engineered a web application using Python, TensorFlow, and MySQL to analyze facial expressions, vocal tones, and text for real-time mental health insights.
- Achieved 88% accuracy in detecting stress, anxiety, and depression through advanced machine learning models.
- Designed an intuitive UI with HTML, CSS, and JavaScript, ensuring seamless user experience for 60+ testers.
- Presented findings at college tech fest, earning the "Best Innovation" award among 20+ projects.

Technical Skills

- **Programming**: Python, C, C++, R, JavaScript, HTML5, CSS3
- **Databases**: MySQL, SQLite, MongoDB
- **Tools & Frameworks**: Django, Flask, TensorFlow, Pandas, Git, Docker

- **Soft Skills**: Creative Problem-Solving, Team Leadership, Effective Communication

Languages

- English (Fluent), Malayalam (Native), Hindi (Proficient)

Certifications

- Python for Data Science and Machine Learning, Udemy, 2023

- AWS Cloud Practitioner, Amazon Web Services, 2024

Extracurricular Activities

- **Lead Organizer, TechFest 2024**, Government Engineering College, Idukki: Coordinated a 3-day event with 200+ participants.

- **Member, IEEE Student Branch**: Contributed to tech seminars and coding competitions (2022–Present).

- **Volunteer, National Service Scheme**: Developed tech literacy programs for rural communities, impacting 100+ individuals (2022–2023).