YASHAS S G

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PROFILE OVERVIEW:

Highly motivated and detail-oriented **B. Tech Computer Science and Engineering (AI & ML) student** with a strong foundation in **software development, AI/ML, and AR/VR technologies**. Seeking an opportunity to apply technical skills, problem-solving abilities, and leadership experience in a dynamic and collaborative environment. Passionate about **cutting-edge technology, software engineering, and AI-driven innovations**.

TECHNICAL SKILLS:

- **Programming Languages:** Python, C++
- **AI/ML Technologies:** TensorFlow, PyTorch, OpenCV
- **AR/VR Development:** Unity, WebXR
- **Software Engineering:** Agile, Git, CI/CD
- **Cloud & DevOps:** AWS, Docker, MLOps
- **Web Development:** HTML, CSS
- **Soft Skills:** Leadership, Teamwork, Problem-Solving, Time Management

PROJECTS & COMPETITIONS:

Federated Learning-Based Privacy-Preserving Medical Diagnosis System

- Developed a Federated Learning pipeline for secure, decentralized medical diagnosis.
- Built with Flask + Flower, the system enables privacy-preserving training across multiple clients using Gaussian Naive Bayes.
- Integrated a web-based interface for real-time predictions and automated orchestration using Docker Compose.

Research Paper Presentation – CIS 2023

 "Unveiling the Potential: AI-Generated Fingerprints in Advancing Digital Forensics"

- Presented at the 4th Congress on Intelligent Systems (CIS 2023), CHRIST (Deemed to be University), Bangalore
- Explored AI-driven biometric synthesis techniques for enhancing digital forensic investigations.

AI-Driven Mental Health Management System *(Smart India Hackathon 2023)*

- Designed and developed an AI-based solution for mental health monitoring and support.
- Implemented **NLP-based chatbot** for user interaction and mental health assessment.

Immersive Educational Platform for Mars Exploration

- Created an AI-powered AR/VR learning platform for space exploration.
- Integrated Mixed Reality, NLP, and 3D interaction for engaging user experience.

Knowledge-Based Medical Diagnosis System

- Developed a rule-based AI system for automated medical diagnosis.
- Implemented propositional logic and inference mechanisms for symptom analysis.

CERTIFICATIONS & TRAINIGS:

- **Corporate Mentorship Program**
  Selected Participant, Alliance University, [November 2024 – April 2025]
  - Attended seminars on Generative AI and received one-on-one mentorship from industry experts.
  - Trained in Business Model Canvas, RFP proposal drafting, and corporate communication.
- **CertNexus Certified Artificial Intelligence Practitioner Professional Certificate** - Coursera
- **Advanced Deep Learning Methods for Healthcare - University of Illinois Urbana-Champaign** · Coursera
- **DevOps, DataOps, MLOps** - Duke University – Coursera

INTERNSHIP & PROFESSIONAL EXPERIENCE:

RFP Technical Proposal Development – LIC Web Revamp & Infrastructure Modernization

CORPORATE MENTORSHIP PROGRAM. | Apr 2025

- Led technical architecture design, execution roadmap, and solution strategy for large-scale government RFP.
- Authored proposal sections covering system architecture, deployment strategy, SLAs, risk mitigation, and pricing.
- Collaborated with cross-functional teams to produce diagrams, execution schedules, and compliance-aligned deliverables.
- Integrated Agile methodology principles to structure phased delivery and support model.

INTERN, Office of Admissions

Alliance University, Bangalore

- Assisted in outreach, data management and student admissions.
- Developed organizational strategies to enhance student engagement.

EDUCATION:

- B. Tech in Computer Science and Engineering (AI & ML)
- Alliance University, Bangalore | 2022 – 2026
- 1st – 12th from Shantiniketan Group of Institutions, Ramanagaram | 2010-2022

LEADERSHIP & VOLUNTEERING:

- **Secretary**, Student Governing Council, Alliance University (ACED)
- **Student Member**, Placement Committee (CAN), Alliance College of Engineering and Design
- **Intern**, Office of Admissions, Alliance University
- **Youth Secretary**, Rotary Interact Club, Ramanagaram
- **Member**, Prevention of Caste Discrimination Committee, Alliance University

EXTRACURRICULAR ACTIVITIES:

- **District and Universities-Level Debate Competition** – Government Schemes & Sustainable Development Strategies
- Winning team Captain of Intra University Cricket Tournament
- **Captain** of Alliance University Cricket Team

INTERESTS:

 AI & ML Research, AR/VR Development, Software Engineering, Digital Forensics, Competitive Coding and Cloud Computing.