MOHAMMAD AFRID PASHA

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PROFESSIONAL SUMMARY

Motivated student with strong skills in Data Structures and Algorithms, and Full-Stack web development. Passionate about software development and solving real-world problems with efficient, scalable solutions.

EDUCATION

Vasavi College of Engineering, Hyderabad 2023 – 2027
*Bachelor of Engineering in Information Technology - **CGPA: 8.5*** *Telangana, India*
(Honours in Artificial Intelligence and Machine Learning)

Sri Nalanda Junior College, Bhadradri Kothagudem 2020 – 2022
*MPC - **Percentage: 91.1%*** *Telangana, India*

D.A.V Model School, Palvancha 2020
*SSC - **GPA: 10.00/10.00*** *Telangana, India*

WORK EXPERIENCE

Oasis Infobyte Internship / Web Development and Designing ↗ **Jul 2025 - Aug 2025**

- Developed **3 full-stack web applications** using React.js, HTML5, and CSS3, delivering pixel-perfect responsive designs for **5,000+ page views** *Remote*
- **Optimized** component rendering achieving **30% faster load times** and implemented modern **UI/UX** patterns following industry best practices.

Walmart Global Tech / Advanced Software Engineer ↗ **Jun 2025 - Jul 2025**

- Engineered scalable database solutions using **advanced data structures** and **SQL optimization**, improving query performance by **40%** *Remote*
- Architected **RESTful microservices** with clean architecture principles, implementing data munging pipelines processing **100K+ records**.

PROJECTS

DeepFitAI Mobile App / ML, Mediapipe, TensorFlow, MiDaSS CODE ↗ — LINK ↗ **2025**

- Engineered real-time AI fitness tracker achieving **95% pose accuracy** across **4** exercise types, processing **30+ FPS** video with instant feedback for **500+ users**.
- Developed ML scoring algorithm with graph analytics that **reduced form correction time by 40%** and improved workout precision by **25%**.

Local-Connect E-commerce Platform / **MERN**, REST APIs, MySQL CODE ↗ — LINK ↗ **2025**

- Architected full-stack marketplace handling **1,000+ concurrent users** with **99.8% uptime**, processing **$50K+ transactions** with zero security breaches.
- Optimized **MySQL** queries and indexing, **reducing response time by 60%** and scaling platform to **10,000+ monthly active users**.

Traffic Optimization / ML, YOLOv8, CV, Deep Learning, CNN, HSV Detection CODE ↗ — LINK ↗ **2024**

- Deployed **YOLOv8**-based system achieving **92% vehicle detection accuracy** at 25 FPS, processing **2,000+ vehicles/hour** across **multi-lane** traffic.
- Built **CNN** prediction model that **reduced average wait time by 35%** with **emergency** vehicle prioritization in **<2 seconds.**

TECHNICAL SKILLS

- **Technologies and Frameworks :** React.js, Node.js, MERN Stack, Git, MongoDB, Flask, HTML, CSS.
- **Programming Languages :** Java (object-oriented design), JavaScript, C/C++, Python, SQL (Database).
- **Soft Skills :** Problem Solving, Team Collaboration, Communication, Adaptability, Time Management.
- **Cloud Platforms:** AWS (EC2, S3, Lambda, RDS, DynamoDB, IAM security), GCP, OCI, Azure.
- **ML/AI:** Scikit-learn, TensorFlow, PyTorch, Computer Vision, YOLO v8, OpenCV, NLP.

EXTRA CURRICULAR ACTIVITIES AND ROLES

- Qualified for **TCS CodeVita Season 13 — Round 2.** ↗
- Secured **32nd** Position in **Deal Dynamics at Quark'25, BITS Pilani**. ↗
- **Providence LEAP** Ideathon Qualified to **Stage-2.** ↗

CERTIFICATIONS

- **Supervised Machine Learning** – DeepLearning.AI (Coursera), Instructor: Andrew Ng, 2025. ↗
- **AWS Cloud Technical Essentials** – Amazon Web Services (Coursera), 2025. ↗
- **Databases for Developers** – Oracle, 2025. ↗
- **Cisco Networking Academy** (Introduction to Networks) Certification. ↗
- **Oracle Cloud Infrastructure 2025 Certified Multicloud Architect Professional** – Oracle, 2025. ↗
- **Cisco Networking Academy** (Introduction to Cybersecurity) Certification. ↗
- **Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate** – Oracle, 2025. ↗