




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 <i>Bachelor of Engineering in Information Technology - CGPA: 8.5</i> <i>(Honours in Artificial Intelligence and Machine Learning)</i>	2023 – 2027 Telangana, India
Sri Nalanda Junior College, Bhadrachalam <i>MPC - Percentage: 91.1%</i>	2020 – 2022 Telangana, India
D.A.V Model School, Palvancha <i>SSC - GPA: 10.00/10.00</i>	2020 Telangana, India

WORK EXPERIENCE

Oasis Infobyte Internship / Web Development and Designing 	Jul 2025 - Aug 2025
<ul style="list-style-type: none">- Developed 3 full-stack web applications using React.js, HTML5, and CSS3, delivering pixel-perfect responsive designs for 5,000+ page views- Optimized component rendering achieving 30% faster load times and implemented modern UI/UX patterns following industry best practices.	<i>Remote</i>
Walmart Global Tech / Advanced Software Engineer 	Jun 2025 - Jul 2025
<ul style="list-style-type: none">- Engineered scalable database solutions using advanced data structures and SQL optimization, improving query performance by 40%- Architected RESTful microservices with clean architecture principles, implementing data munging pipelines processing 100K+ records.	<i>Remote</i>

PROJECTS

DeepFitAI Mobile App / ML, Mediapipe, TensorFlow, MiDaSS CODE  — LINK  2025
<ul style="list-style-type: none">- 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
<ul style="list-style-type: none">- 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
<ul style="list-style-type: none">- 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.s
- **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. 