SHAIK MOHAMMAD KHAIF

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Objective

To leverage my technical skills in programming, problem-solving, and emerging technologies to contribute effectively to innovative projects, while continuously learning and growing within a dynamic and collaborative organization.

Professional Experience

❖ **Data Science Intern (Trainee)**
Echo Brains (Dextrix) — *May 2025 – Present*
• Analysing real-time data and developing machine learning models with performance evaluation.
• Applying Python, Pandas, Scikit-learn, and Jupyter for data pre-processing, visualization, and prediction.
• Collaborating with cross-functional teams to derive business insights and automate workflows.

Education

❖ **B. Tech, Electronics and Communication Engineering**
JNTUA College of Engineering, Kalikiri.
Percentage: 75.85%   **Year:** 2021 – 2025
❖ **Intermediate (Physics, Chemistry, Mathematics)**
Narayana Olympiad, Kadapa
Percentage: 88.2%   **Year:** 2019 – 2021
❖ **Secondary School Education**
Gurukul Vidhya Peeth E.M High School
CGPA: 9.8   **Year:** 2018 – 2019

Internships

❖ **Embedded Systems Intern (Virtual)**   Dec 2024 – Apr 2025
Slash Mark IT Solutions
Worked on Python-based sensor integration and embedded development using microcontrollers for real-time applications.
❖ **Industrial IoT Intern (Virtual)**   May 2024 – Jul 2024
Cod-Tech IT Solutions
Gained hands-on experience in Industrial IoT, device connectivity, and data acquisition using cloud-based platforms.

Projects

❖ **Smart Aquaponics System** *(Final Year Research Project)* [Project Link]
Developed an IoT solution for real-time monitoring of fish and plant environments using DHT11, pH, and turbidity sensors. Achieved **92%+ accuracy** in detecting leaf and fish diseases via CNN-based image classification models.
❖ **E-Commerce Cart System** [Project Link]
Developed a command-line shopping cart using core Python data structures and functions, enabling efficient product management, item tracking, and billing. Improved user interaction and logic flow, simulating a real-time shopping experience with over **90% functional coverage** of basic e-commerce cart operations.
❖ **Placement Data Analysis:** [Project Link]
Analysed 200+ student records to explore placement trends. Identified that **65%** were placed, with males making up **70%** of placements. Used Pandas and visualizations to uncover insights on academic and gender-based outcomes

Skills

- **Languages:** Python, SQL, HTML, CSS, JavaScript
- **Data Science & Analytics:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Jupyter Notebook, EDA, Machine Learning, Model Tuning, Power BI
- **Core CS Concepts:** Data Structures and Algorithms, DBMS
- **Tools & Platforms:** GitHub, VS Code, Excel, Jupyter Notebook
- **Soft Skills:** Problem Solving, Teamwork, Communication, Time Management

Certifications

- ❖ **Python Programming** – GeeksforGeeks
- ❖ **Introduction to Data Science** – Infosys Springboard
- ❖ **Prompt Engineering for AI & LLMs** – Infosys Springboard

Paper Publication

- ❖ **"Integrating Deep Learning for Disease Detection in Smart Aquaponics Systems"** [Paper]
  Presented at ICMASGI 2024, SIDVI Foundation
  Explored the integration of **Deep Learning**, **IoT**, and **Machine Learning** for real-time disease identification and remediation in Aquaponics ecosystems. *(IEEE Format)*

International Conferences

- ❖ ICCSET 2025 – International Conference on Contemporary Issues in Science, Engineering, and Technology SSRD 2024
- ❖ International Conference on Multidisciplinary Approach to Sustainability and Green Innovation ICRIC 2025
- ❖ Organized by the National Foundation for Entrepreneurship Development (NFED)

Volunteering & Leadership

- ❖ **Student Placement Coordinator** *Jan 2024 – 2025*
  Coordinated placement drives and guided peers on resumes, interviews, and career planning.
- ❖ **President, Cultural Club** *Jan 2024 – 2025*
  Led college-wide cultural events, promoting creativity, collaboration, and student engagement.
- ❖ **Participant, Meri Mitti Mera Desh (Delhi)** *Jan 2023 – 2025*
  Represented the college in national-level patriotic and environmental initiatives.
- ❖ **NSS Volunteer** *Jan 2023 – 2025*
  Contributed to social causes through blood donation, plantation drives, and awareness campaigns

Languages

- ❖ English
- ❖ Hindi
- ❖ Telugu

Hobbies

- ❖ Listening to Music.
- ❖ Playing Cricket, Badminton, or Caroms.
- ❖ Browsing the Internet.

Declaration: I hereby declare that the above information is true and correct to the best of my knowledge and belief.