Akhila Macherla

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I am Akhila Macherla, a B.Tech second-year student passionate about AI, Data Science, and Design, eager to apply my skills to solve real-world problems. With a strong foundation in machine learning, data analytics, and computational techniques, I am driven by curiosity and a problem-solving mindset. My core strengths—commitment, adaptability, and clarity of thought—enable me to tackle challenges effectively. I am particularly interested in exploring the intersection of AI and human-centered design, leveraging data-driven insights to create impactful solutions. Seeking for opertunities where I can collaborate, innovate, and contribute meaningfully to cutting-edge advancements.

Education

The Aga Khan Academy, Hyderabad: 2016 - 2023.
Completed IBMYP & IBDP with 70 %, with 100 %   scholarship

Vijaybhoomi University, Mumbai: 2023 - 2027.
BTech 2nd Year, CSE Student, **GPA: 9.00**

Experience and Projects

Credits Tracking System Backend for Vijaybhoomi University ERP: March 2024 - May 2024
- **S**tudents Face issue in Tracking the course credits as the Univerisity is Liberal Curriculum.

Data Preprocessing Tool App with deployment: October 2024 - December 2024
- Developed Data Preprocessing tool upload and Preprocess any datasets to gather great Insights. The App is developed using HTML, CSS, JS, Python and Deployed using Render Platform.

Natational Entrepreunership Challenge, IIT Bombay: September 2024 - February 2025
- **P**articipated in NEC-24 and established E-Cell VU. Secured 10th position in the E-summit, Finals.

Aidkriya Donation Management Prediction System with Tkinter UI: October 2024 - February 2025
- Generated Data and Built Sarimax Prediction model which helps AidKriya foundation in gathering peak donation times to start campaigns.

Data Preprocessing Tool App with deployment: October 2024 - December 2024
- Developed Data Preprocessing tool upload and Preprocess any datasets to gather great Insights. The App is developed using HTML, CSS, JS, Python and Deployed using Render Platform.

Intern at Equitywala Company (November 2024 – May 2025, Ongoing)
- Organized and structured Excel sheets to efficiently store and manage critical data.
- Developed a web application to upload Excel sheets, extract valuable insights, and track payments and upcoming renewals. Deployed using Vercel.
- Built a comprehensive CRM web app with features including employee management, document handling, task tracking, attendance monitoring, salary slip generation, budget management, social media campaign management, and client/lead services. Deployed using Render.

Skills & Technical Skills

- Problem solving
- commitment
- Time management
- Excel
- Organization
- Hard Working
- Research
- Model Building
- **Languages**: Python, HTML, CSS
- **Developing Tools**: VS Code, Flutter Flow, Tableau, MySQL, Lobe, Jupyter
- **Other:** Canva, Critical and Design Thinking

Relevant Course Work

- Design Thinking
- Critical Thinking
- Data Structures & Algorithms
- Data Visualization and Analytics
- Probability & Statistics
- Databases Including MySQL
- Statistical Modelling
- Machine Learning

Extra Curricular

- **Animation Club - 2022:** Teaching Fundamentals of Animation, Session Planning, "Flip a Clip" App skills.

- **Rubaroo - 2022:** Content writing, Impact stories, profile stories writing & Skill Development Sessions.

- **Intern at Ashman Foundation - 2021:** social media marketing, social awareness.

- **Student Ambassador - 2023:** "My Captain" Student Ambassador, Communicated with various students.

- **Reserach work(12th standard) - 2023:** Extended essay on the topic "Exploring cultural stereotypes". Reserach on "Topic title: Mapping the possible distance/route from Russia to India and finding the distance, time taken and fuel required to minimize them to travel from Russia and India."

Service expereiences.

- Part of donation campaign project in school.
- Project on organic farming.
- Volunteering classes and sessions in teach for India schools.
- Volunteering various campus service activities.
- Student awareness orientation project in government school.
- Student Volunteer at Kanyathon 2024 in Karjat.

Courses.

- Lifology Global Fellowship - April 2022.

- Foundations of project management(Google certificate) - October 2023.

- Computational thinking(CourseEra) - 2023

- Full Stack(CourseEra) - 2024