

AKHIL SAPAVATH

+91 7331159967 | akhilakki8310@gmail.com | linkedin.com/in/akhil-sapavath |
akhilsabavath.com | Hyderabad, Telangana, India

SUMMARY

Aspiring Software Developer with a strong foundation in Python Full Stack development and hands-on experience gained through an internship focused on crafting efficient and innovative software solutions. Proficient in designing, debugging, and optimizing web applications to meet user-centric goals. Eager to leverage technical skills and a passion for problem-solving to contribute to innovative software solutions in a dynamic team environment.

EXPERIENCE

Intern Software Developer Teks Academy

Feb 2024 - May 2024
Hyderabad, India

- Developed and deployed **5+ web applications** using Python frameworks such as Django and Flask during the internship.
- Skilled in creating responsive, user-friendly interfaces with HTML, CSS, JavaScript, and frontend frameworks like React.
- Built responsive and interactive user interfaces for projects, enhancing user experience and achieving **100% mobile compatibility**.
- Designed and implemented **10+ RESTful APIs**, ensuring seamless communication between frontend and backend components.
- Managed and optimized databases, handling **large datasets exceeding 25,000 records** using SQL and MySQL technologies.
- Reduced debugging time by **30%** through rigorous testing and efficient code optimization practices.

EDUCATION

B.Tech Computer Science and Engineering

AVN Institute of Engineering and Technology

2019 - 2023

Hyderabad, India

Intermediate

Sri Gayatri Junior College

2017 - 2019

Hyderabad, India

SSC

Naagarjuna Group of Schools

2016-2017

Hyderabad, India

SKILLS

Professional Skills:

- Frontend:** HTML, CSS, JavaScript
- Backend:** Python
- Database:** MySQL, MongoDB
- Frameworks:** Django, React JS, Bootstrap

- **Microsoft Office** (Excel, Word, PowerPoint).

Soft Skills: Flexible & Adaptive, Leadership, Team Player, Quick Learner, Multitasking, Problem Solving, Decision Making, Quality Assurance, Critical Thinking.

PROJECTS

Automatic Detection of Genetic Eye Diseases in

Hyderabad, India

Pediatric Age Using Pupillometry

March 2023 - June 2023

Developed a machine learning model to analyze pupillary response data, achieving an accuracy of 85% in detecting genetic eye diseases in pediatric patients. Enhanced diagnostic efficiency by reducing analysis time by 40% compared to manual methods, aiding early detection and treatment. Collaborated with healthcare professionals to validate the model's predictions, ensuring clinical relevance and accuracy.

Image Forgery Detection

Hyderabad, India

Nov 2022 – Jan 2023

Image Forgery Detection is a project aimed at identifying manipulated or falsified images to ensure their authenticity and integrity. It leverages advanced image processing techniques and machine learning algorithms to detect alterations such as splicing, cloning, and retouching in digital images. This project plays a critical role in applications like digital forensics, media validation, and combating misinformation.

CERTIFICATIONS

Walmart USA Advanced Software Engineering Virtual Experience Program on Forage - Dec 2024

- Developed a novel version of a heap data structure in Python for Walmart's shipping department, showcasing strong problem-solving and algorithmic skills.
- Designed a UML class diagram and entity relationship diagram for a data processor, considering different operating modes and database connections.

JP Morgan Chase & Co. Quantitative Research Virtual Experience Program on Forage – Nov 2024

- Analyzed a book of loans to estimate a customer's probability of default.
- Used dynamic programming to convert FICO scores into categorical data to predict defaults.

EXTRA-CURRICULAR ACTIVITIES

- Successfully completed one month of Industry Exposure Program with Infoz IT Solutions.
- Secured 2nd position in the 36-hour Hackathon event organized by the creator club hosted by Spoorthy Engineering College in association with JHUB, JNTU.
- Successfully organized the Hackathon event in our college in association with Brainovision Solutions India Pvt Ltd as a Student Coordinator in 10 hours of Bootcamp + 32 hours of Hackathon with 350+ students.