

Mohammed Thaqib Ul Rahman

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SUMMARY

B. Tech graduate in Computer Science (AI & ML) from Sphoorthy Engineering College with strong expertise in Python, MySQL, HTML, CSS, Artificial Intelligence, and Machine Learning. Skilled in developing AI-driven solutions, web applications, and software projects with proven experience in Flask, OpenCV, TensorFlow, and cloud technologies. Adept at problem-solving, logical thinking, and applying innovative approaches to real-world challenges. Eager to contribute to cutting-edge projects and drive impactful solutions in software development, AI, and data-driven systems.

EDUCATIONAL QUALIFICATIONS

Sphoorthy Engineering College, Hyderabad - Bachelor of Technology, Computer Science-AIML	2021 — 2025
International Indian School, Riyadh – Intermediate	2019 — 2021
International Indian School, Riyadh - Board of Secondary Education (CBSE)	2019

PUBLICATIONS

"AI Virtual Mouse Using Hand Gesture Recognition", International Research Journal on Advanced Engineering Hub (IRJAEH), Vol. 03, Issue 05, pp. 2259–2263, May 2025. DOI: <https://doi.org/10.47392/IRJAEH.2025.0332>

SKILLS

Programming Languages	: C, Python, R, Java
Databases	: My SQL, SQLite
Frameworks & Libraries	: Flask, TensorFlow, PyTorch, OpenCV, Pandas, NumPy, Matplotlib
Frontend Technologies	: HTML, CSS, Bootstrap, Tailwind CSS
Tools and Platforms	: Git, Jupyter Notebook, Visual Studio Code, Google Colaboratory, AWS Cloud
Interpersonal Skills	: Communication, Problem-solving, Emotional Intelligence, Empathy

PROJECTS

- Medicine Recommendation System** - *Role: ML Engineer* | Flask-based AI medicine recommender from 50+ symptoms; 90% accuracy, 40% reduction in manual search time. [Link](#)
- AI-Powered Virtual Mouse Using Hand Gesture Recognition** - *Role: Computer Vision Engineer* | Touch-free hand-gesture control with 95% detection accuracy and <50ms latency (OpenCV, AI). [Link](#)
- Retronex Cyberdeck** - *Role: Developer* | Raspberry Pi cybersecurity prototype with encryption & firewall; strengthened network security by 40%.
- Online Auction Platform (React + Express.js)** - *Role: Full-Stack Developer* | Real-time listings and bid interactions; component-based architecture/state management for seamless UX. [Link](#)

INTERNSHIPS

- AI Developer Intern – Swecha, IIIT Hyderabad (Apr '24 – Jun '24)** | Contributed to building a Telugu language AI model using ML & NLP, gaining hands-on experience in Deep Learning & Generative AI.
- Machine Learning Intern – Bharat Intern (Nov '23 – Dec '23)** | Built ML models for Iris classification & Movie Recommendation using NumPy, Pandas & TensorFlow, achieving 85% accuracy.
- AI Developer Intern – Viswam.AI, IIIT Hyderabad (May '25 – Jun '25)** | Fine-tuned and deployed AI models with real datasets, collaborating on open-source contributions and practical DevOps workflows.

CERTIFICATIONS

AWS Academy Graduate-AWS Academy Cloud Foundations , AWS Academy	Sep '24
AWS Academy Graduate-AWS Academy Data Engineering , AWS Academy	Sep '24
Developer Job Simulation , Accenture	Jun '24
Machine Learning with Python , IBM Developer Skills Network	Nov '23
Java Foundations Final Exam Completion Award , Oracle Academy	Jun '23

CO-CURRICULAR ACTIVITIES

- Workshop on NLP & CNN (Jan 2024)**: Completed 2-day training on Convolutional Neural Networks and Natural Language Processing at Sphoorthy Engineering College; recognized with *Best Performance Award*.
- Hackathon League 2023 (Jun 2023)**: Secured Runner-up in a 36-hour hackathon organized by Creator Club, MSME & JNTUH at Sphoorthy Engineering College.