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.