

# T. MOHAMED RIYAS

Python Full Stack Developer | Data Enthusiast

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## PROFESSIONAL SUMMARY

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Versatile and detail-oriented **Python Full Stack Developer** passionate about creating robust, scalable web solutions and data-driven applications. Skilled in developing RESTful APIs, building responsive interfaces, and managing relational databases. Experienced in integrating AI tools and analytics workflows using **Python, Django, and MySQL**. Demonstrates strong problem-solving, teamwork, and adaptability in fast-paced environments.

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, SQL, HTML, CSS

**Frameworks:** Django, Django REST Framework, React.js

**Databases:** MySQL

**Developer Tools:** Git, GitHub, VS Code, Power BI, Excel

**Core Competencies:** API Development, Database Design, Web Deployment, Data Visualization, Debugging

## EXPERIENCE

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### AI Research Intern

Jul 2025 – Aug 2025

*Automaton PTE Ltd — Remote*

- Completed virtual internship on *AI Fundamentals, Technologies & Applications*, exploring machine learning workflows.
- Cleaned, validated, and standardized over **100K+** data records to improve analytics quality.
- Developed automation scripts in **Python** to handle repetitive data tasks, saving **40%** processing time.
- Collaborated with mentors to design dashboards in **Power BI** for tracking AI model metrics.

## PROJECTS

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### AI Image Generator — Django, Python, HTML, CSS

- Engineered a web-based image generator using **Django** that creates AI-driven visuals from text prompts.
- Integrated a backend image generation API and handled asynchronous responses using AJAX.
- Designed intuitive, responsive UI layouts improving accessibility and engagement.

### E-Commerce Website — Django, MySQL, JavaScript

- Built a full-featured e-commerce platform with product catalog, authentication, cart, and order management.
- Implemented secure CRUD operations using Django ORM and optimized MySQL queries for efficiency.
- Enhanced website performance and SEO, reducing page load time by **25%**.

## CERTIFICATES

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- **Power BI Webinar Certificate** — Gained hands-on experience in building interactive dashboards and real-time analytics.
- **AI Research Internship Certificate, Automaton PTE Ltd** — Demonstrated strong analytical and technical proficiency in AI tools and data processing.

## EDUCATION

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### B.E. in Computer Science and Engineering

*M.I.E.T Engineering College, Trichy*

2022 – Present

*Current CGPA: 7.8 / 10*