

Mohammed Thoufik S

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Summary

Developer with hands-on experience in frontend development, data visualization, and machine learning projects. Skilled in building web applications using Python and JavaScript, with experience training and evaluating AI models. Proficient in Power BI and Excel for data analysis and visualization. Actively expanding backend and full-stack development capabilities.

Skills

Tools: Git, Jupyter Notebook

Programming Languages: Python, JavaScript

Web Technologies: HTML5, CSS3, Flask, React.js, Node.js

Machine Learning: Model Training, Supervised Learning, Feature Engineering

Data Analysis & Visualization: Power BI, Microsoft Excel, Matplotlib, Seaborn

Development Practices: Web Application Development, Basic Backend Integration

Experience

- IT Intern – MAHLE** | Mar 2025 | Supported IT operations and system maintenance in an industrial environment.
- Data Visualization Intern – ENERGICA** | Jun 2025 | Built dashboards using Power BI and Excel; cleaned datasets using Mockaroo.
- Full Stack & Machine Intelligence Intern – IP Rings** | Jan 2026 | Worked on full-stack development concepts and applied machine intelligence in guided projects.

Projects

- ECOTEX – AI Textile Design Web Platform** | [github.link](#) January-June (2025)
Tech Stack: HTML, CSS, JavaScript, Typescript, Python, Flask, PyTorch
 - Developed a web platform to generate AI-based textile and 3D cloth design outputs.
 - Integrated trained AI models with backend services for prompt-based image generation.
- AgroNITY – AI Agricultural Expert System** | [github.link](#) August-November (2025)
Tech Stack: Python, TensorFlow, scikit-learn, Random Forest, APIs
 - Built an AI-driven system to analyze crop feasibility, productivity, and revenue using agricultural datasets.
 - Implemented disease detection and weather-based insights using ML models and external data sources.
- Auticare – AI-Based Autism Pre-Screening System** | [github.link](#) November-December (2025)
Tech Stack: MERN Stack, TypeScript, Machine Learning, Cloud APIs
 - Developed a pre-screening system for ASD using questionnaire-based and video-assisted analysis.
 - Integrated ML models with a full-stack application for automated insights and response generation.

Education

- 2023 - Present **B.Tech** in Artificial intelligence and Data science , *Rajalakshmi Institute of Technology,Chennai,India(Autonomous)*
CGPA: **8.4** (up to 5th sem)
- 2019 - 2022 **X , XII** - Tamilnadu board, *St.Joseph.Mat.Hr.Sec.School,Maraimalai Nagar* | Scores: **99.2%** (X), **89.2%** (XII)

Certifications

- TATA** – Data Visualisation: Empowering Business with Effective Insights (Online)
- NPTel** – Java , Business Analytics using R , Research methods and Entrepreneurship essentials (Offline)
- Deloitte** – Data Analytics Job Simulation (Online)
- BCGX** – Data Science Job Simulation (Online)

Achievements

- Finalist – **VJ Hackathon** (October 2024,Hyderabad), machine learning–focused competition
 - Participant – **TATA Innovent** (Jul 2025), developed a prototype under time constraints
 - Participant – **Shell.ai** (Jul 2025), trained and evaluated ML models for optimization
 - Leader – College Technical Club, led teams and coordinated technical initiatives
 - Member – National Entrepreneurship Challenge 2025, E-Cell, IIT Bombay
- Languages**
- Tamil
 - English
- Hobbies**
- Editing
 - Designing
 - Article Writing
 - Content creation