

# Mohamed Hamdhan

Aspiring AI / ML Engineer

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## Professional Summary

B.Tech student specializing in Artificial Intelligence and Data Science with hands-on experience building AI-driven systems, real-time dashboards, and analytics platforms. Strong foundation in Python, SQL, Machine Learning, and data visualization. Proven ability to deliver measurable results through internships, projects, and hackathons. Actively seeking entry-level roles or internships in AI, ML, or Data Analytics.

## Technical Skills

**Programming:** Python, R, SQL

**Machine Learning:** Regression, Classification, CNNs, LSTM, Random Forest

**Data Tools:** NumPy, Pandas, Matplotlib, Seaborn, Jupyter

**Visualization:** Power BI, Excel

**Frameworks:** Flask, FastAPI, Angular

**Soft Skills:** Problem-Solving, Critical Thinking, Teamwork, Adaptability, Time Management

## Technical Experience

### AI Intern – Plasmid Innovation

Dec 2024 – Feb 2025

Remote

- Completed a 5-week intensive training on applied AI concepts for healthcare and education.
- Built a neural network model achieving **87% accuracy** on the MNIST dataset.
- Reduced manual labeling effort by automating digit classification workflows.

### Data Analytics & Software Intern – DP World

Jun 2025 – Jul 2025

Chennai, India

- Created live Power BI dashboards connected to SQL Server and Python pipelines.
- Enabled real-time monitoring of operational data, reducing reporting delays by **30%**.
- Designed an AI chatbot supporting PDF uploads, Wikipedia queries, and voice interaction.
- Automated Excel and Word processes, improving reporting efficiency by **40%**.

### Data Visualization Intern – EinNel Technologies

Jul 2025 – Aug 2025

Remote

- Built a real-time analytics dashboard using Angular, ECharts, and AG Grid.
- incorporated live APIs to display streaming financial and operational data.
- Added dynamic/static X-axis modes and 12h/24h time controls for usability.
- Improved dashboard responsiveness and user experience through modular UI design.

## Projects

### LandslideX Vulnerability Assessment - Risk Monitor

2025

JavaScript, Python, Google Earth Engine, LSTM

- Built an ML-based system to identify landslide-prone regions in Tamil Nadu using satellite and rainfall data.
- Generated vulnerability heatmaps and applied LSTM models to analyze temporal rainfall patterns.
- Integrated risk simulation and confidence scoring to support early-warning and long-term planning.

### AI Attendance & Concentration Monitoring System

2025

Python, Flask, OpenCV, AWS Rekognition

- Automated classroom attendance using real-time face recognition.
- Tracked student focus levels during sessions using facial attribute analysis.
- Generated automated Excel reports, saving instructors **10+ hours/week**.

## Real-Time Analytics Dashboard (R Shiny)

2025

*R, Shiny, ggplot2*

- Built an interactive dashboard for dataset upload and statistical analysis.
- Visualized trends using histograms, heatmaps, and correlation plots.
- Merged live stock price tracking using financial APIs.

## Education

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### B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai

2023 – 2027

B.Tech in Artificial Intelligence and Data Science

Majors: Machine Learning, Deep Learning, Data Structures and Algorithms, Artificial Intelligence, Data Mining, NLP, Python

### Delta Public School (CBSE), Koothanallur

2022 – 2023

Class XII (CBSE Board)

Subjects: Mathematics, Physics, Chemistry, Computer Science, English

## Certifications

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Google AI Essentials – Coursera

R for Data Science – Open Source Club

Python & C – CodeGalatta

Learning Data Mining with R – Infosys Springboard

Data Visualization – Forage

Completion of C & C++ – IIT

Machine Learning – Skillfied Mentor

## Extracurricular & Achievements

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Participated in 2+ AI hackathons and technical workshops. Passionate about solving problems through innovation, teamwork, and continuous learning.