

Mohammed Ajmal N

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About Me

I am a B.Tech graduate in Artificial Intelligence and Data Science with a strong foundation in machine learning and deep learning. Passionate about developing AI-driven solutions and integrating ML models with APIs. I had Developed a self-driving car prototype using Raspberry Pi. Proficient in Python, Java, Matplotlib, and Seaborn. Enthusiastic about hands-on learning and real-world AI applications.

Experience

SSK Fellow – Maker Ecosystem (June 2025–Present)

Kerala StartupMission, Kochi.

Education

B.Tech in Artificial Intelligence and Data Science (2021–2025)

Royal College of Engineering, Thrissur.

Projects

Self-Driving Vehicle Using Raspberry Pi :

Developed a self-driving prototype using Raspberry Pi and CNNs for real-time lane detection and decision-making. Integrated embedded systems for motor control and used image processing with OpenCV to enable autonomous navigation in a controlled environment.

Black and White Image Colorization :

Built a CNN-based model for grayscale image colorization by leveraging pre-trained networks for color prediction. Applied supervised learning concepts and explored loss functions to optimize model performance.

Internships

- Machine Learning Intern – ATHARVO in Bangalore (Sep 2024)
- Full Stack Developer Intern – FSDA in Kozhikode (Jan 2025)

Strengths

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| <ul style="list-style-type: none">• Python, Java• Scikit-learn, TensorFlow, PyTorch• Matplotlib, Seaborn• HTML, CSS, JavaScript | <ul style="list-style-type: none">• MS Office, LaTeX• Leadership, Team work• Critical Thinking, Decision Making• Languages Known: English, Malayalam |
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Certifications

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| <ul style="list-style-type: none">• Power BI Micro Course – Skill Platform (Feb 2025)• Fundamental AI Concepts – Microsoft (Mar 2025) | <ul style="list-style-type: none">• Software Engg. Job Simulation – Forage (Dec 2024)• Young Innovators Program – K-DISC (Jan 2025) |
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Academic Achievements

- Academic project funded by KTU
- Participated in international conference on emerging technologies