

# ASHLIN K S

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## PROFILE

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Enthusiastic and driven Master of Computer Applications (MCA) student with a passion for leveraging technology to solve complex problems. I am coming from a diverse academic background, having completed my undergraduate degree in Physics, which has provided me with a strong analytical foundation and a deep appreciation for problem solving. Strong foundation in both traditional ML algorithms and modern deep learning architectures, with proven ability to deliver AI-powered solutions that solve complex problems. Technical proficiency in Python, and familiarity in C, Java, and JavaScript, with experience in web technologies and databases.

## PROJECTS

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**MindGraph:** (GraphRAG, Graph Vector Store, Cassandra, Langchain, Ollama, LLama3.1, FastAPI, React)  
**Knowledge Graph visualization for Crime Analysis and Information Retrieval**

- Developed a Fullstack Generative AI application to identify hidden patterns from unstructured data to a 3-dimensional knowledge graph. Fine tuned Large language models for criminal case study analysis. Ability to communicate to crime documents through graph retrieval augmented generation combined with a graph vector database

**EnergyON Website with Chatbot Deployment— Watsonx, HTML/ CSS** july 2024

- Developed an online marketplace for bioenergy solutions with integrated Chatbot functionality powered by IBM Watsonx.
- Developed a user-friendly platform on which customers can purchase bioenergy products and services, enhanced customer engagement through AI-driven support on inquiries and product recommendations
- Tools Used: HTML/CSS, IBM WatsonX

## EXPERIENCE

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**Software Development Intern**

*December 2024- April 2025*

*WeberFox Technologies pvt ltd*

- Developed a Full Stack web application (Admin Panel of a food delivery application) using MERN technology.
- Tools: React.js (Material ui for styling), Node.js and Express.js, MongoDB, RestFul Api

**Python Development Intern**

*May 2024-June 2024*

*Aurotech Solutions Pvt Ltd*

- Engineered a secure ATM interface using Python, implementing robust user authentication and comprehensive transaction management features.
- Designed and integrated QR code generation functionality utilizing Python libraries to enhance user experience and system efficiency.

## EDUCATION

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**Cochin University of Science And Technology**

*july 2023 – May 2025*

*Master of Computer Applications*

- GPA: 8.87/10 \*

**Kannur University**

*july 2020 – May 2023*

*Govt. Brennen College Thalassery*

*Bachelor of Science .Physics*

- GPA: 8.74/10

**Kerala Board Of Higher Secondary Education**

*july 2018 – May 2020*

*Govt. Hss Pala, Kakkengad*

*Plus Two*

- Percentage:94.5

**Central Board Of Secondary Education**

Holy Cross Pub Sch Naduvil, Kudiyanmala

*Class X*

- Percentage:88.8

*june 2017 – May 2018*

## TECHNICAL SKILLS

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**Languages:** Python, C, Java, JavaScript

**Databases:** MySQL, MongoDB

**Web Technology:** HTML, CSS , React , Bootstrap

**Source Code Management:** Git , Github

## CERTIFICATIONS

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**Getting Started with Artificial Intelligence**

IBM

**Artificial Intelligence Fundamentals**

IBM

**Project Management Fundamentals**

IBM

## SOFT SKILLS

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- Leadership , Decision Making ,Problem Solving
- Clear and Concise Communication, Enthusiastic
- Continuous Learner, Critical Thinking, Analytical Thinking

## COMMUNITY INVOLVEMENT

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**NSS Volunteer**

*2020-2023*

**Arts Fest volunteer**

*2022-2024*

- Kannur University Union Arts Fest - 2022,2023

- Cochin University Union Arts Fest - 2024

**Film Fest Volunteer**

*2024*

- Cochin University Union Film Fest - 2024

## ACIEVEMENTS

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**Member - Cochin University Volleyball Team , 2024**

**Member - Winners of inter-collegiate volleyball , 2024,2025**