

# JAYASHREE SHARMA

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## EDUCATION

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**Bachelor of Technology, Computer Science Engineering**  
**VIT Bhopal University, Bhopal**

09/2022 – Present

CGPA: 8.32

Courses: Data Structures and Analysis of Algorithm, Operating Systems, Computer Networks, Database Management Systems, OOPS with C++

**Bachelor of Science, Data Science and Applications**  
**Indian Institute of Technology, Madras**

09/2022 – Present

Courses: Data Structures and Algorithm in Python, Database Management Systems, Modern Application Development, Programming Concepts in Java, Programming in Python

## SKILLS AND COMPETENCIES

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**Languages:** Python (Pandas, NumPy, Matplotlib), C++, Java, JavaScript, SQL

**Technical:** Data Analysis, Data Visualization, MERN Stack (MongoDB, Express.js, React.js, Node.js), MySQL, PostgreSQL, Microsoft Office, Microsoft Excel, Power Apps, Power BI, Power Automate, AWS, Azure

## PROJECTS

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### Data Science: Customer Personality Analysis

- Employed advanced Machine Learning algorithms, including clustering techniques such as K-means, to analyze and categorize customer behavior patterns for accurate persona identification.
- Implemented data visualization strategies using Python libraries, including pandas for data manipulation and matplotlib for creating insightful visualizations.
- Utilized pandas, a powerful data manipulation library in Python, to preprocess and clean large Starbucks customer feedback datasets, ensuring accurate input for machine learning models.

### Web Development: Bookstore Application (Full Stack Web Application)

- Developed a comprehensive online bookstore application using the MERN stack to manage book listings, user authentication, and order processing.
- Designed and implemented the frontend user interface using React.js, ensuring a responsive and dynamic user experience.
- Developed the backend server using Node.js and Express.js to handle API requests, user authentication, and business logic.
- Created a RESTful API to handle CRUD operations for books, users, and orders.
- Integrated MongoDB as the database to store book details, user information, and order histories.

## CERTIFICATES

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**Microsoft Certified - Azure AI Fundamentals**

06/2023

ID: F4A1FF728E2D40B7 — Certification Number: 1CCD73-1C64F7

Successfully achieved the certification of Azure AI Fundamentals, showcasing proficiency in foundational AI concepts, Azure AI services, and practical knowledge of machine learning workflows.

**Foundation Certificate, IIT Madras**

06/2024

Completed the foundational level in the BS degree in Programming and Data Science from **IIT Madras**.

## ACHIEVEMENTS

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**All India Rank 3 - India Space Lab Winter Internship Examination 2024-2025**

India Space Lab

Secured AIR 3 in the prestigious national-level examination organized by India Space Lab.