

JAYASHREE SHARMA

Engineering ~ Student

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PERSONAL PROFILE

A selfdirected and energetic Computer Science Engineering undergraduate at VIT Bhopal University, excelling in both independent and collaborative environments. Demonstrates superior performance in project work, showcasing a proactive approach and valuable contributions to group endeavors.

SKILLS AND COMPETENCIES

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

Technical Data Analysis, Data Visualisation, MERN Stack, MySQL, PostgreSQL, Microsoft Office, Microsoft Excel, Power Apps, Power BI, Power Automate, Azure.

EDUCATION

09/2022 - Present **Bachelor of Technology, Computer Science Engineering (GPA - 8.39)** **VIT Bhopal University, Bhopal**
Courses: Data Structures and Analysis of Algorithm, Operating Systems, Computer Networks, Database Management Systems, OOPS with C++, Cloud Architecture and Services

09/2022 - Present **Bachelor of Science, Data Science and Applications** **Indian Institute of Technology, Madras**
Courses: Data Structures and Algorithm in Python, Database Management Systems, Modern Application Development, Programming Concepts in Java, Programming in Python

PROJECTS

Data Science **Customer Personality Analysis**

- Employed advanced Machine Learning algorithms, including clustering techniques such as K means, to analyze and categorize Starbucks 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

06/2023 **Microsoft Certified - Azure AI Fundamentals** 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.

06/2024 **Foundation Certificate** **IIT Madras**
Completed the foundational level in the BS degree in Programming and Data Science from IIT Madras

ACHIEVEMENTS AND EXPERIENCE

Achievement **All India Rank 3 - India Space Lab Winter Internship Examination 2024-2025** **India Space Lab**
Secured AIR 3 in the prestigious nationallevel examination organized by India Space Lab

Experience **Space Tech Intern India Space Lab Winter Internship and Training Program** **India Space Lab**

- Successfully completed a structured 30day training program covering advanced space and technology domains, including drone technology, satellite systems, astronomy, and space entrepreneurship.
- Collaborated with peers and mentors to address realworld challenges in space exploration and technology.
- Enhanced technical and entrepreneurial skills while contributing to India's growing spacetechnology ecosystem.