

Ashish Hulkoti

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Graduate student in Computer Science with hands-on experience in machine learning and software development. Proficient in Python, API development, and databases (SQL, NoSQL). Strong problem-solving abilities with experience in building scalable applications, integrating Elasticsearch for search optimization, and working with cloud technologies.

EDUCATION

Masters in Computer Science - GPA: 3.9

Aug 2023 - April 2025

Illinois Institute of Technology, Chicago, IL

Relevant Coursework: Enterprise Web Application Development, Machine Learning, Data Structure and Algorithms

Bachelor's Degree in Computer Science

Aug 2017 - May 2021

KLE Technological University, Karnataka, India

SKILLS

Programming Languages: Python, Java, SQL

Cloud Platforms: Amazon Web Services (AWS), Microsoft Azure

Database: NoSQL DB, Elasticsearch, MySQL

Tools: Git version control, Hadoop

Soft Skills: Team-Oriented, Ability to collaborate, Leadership Abilities, Effective Communication, Strong Problem-solving

PROJECTS

Fitness Companion

- Designed and developed scalable RESTful backend for a fitness tracking iOS app using Golang, implementing user authentication with JWT, exercise and diet tracking APIs.
- Integrated Kafka for real-time event-driven notifications, enabling workout reminders.

E-commerce Website for SmartHomes

- Engineered a scalable e-commerce platform for SmartHomes, developing a Python-based API to handle product listings, transactions, and user management while ensuring seamless integration with a ReactJS frontend.
- Implemented advanced search and data management using MySQL, MongoDB Key-Value Store, and Elasticsearch, optimizing query performance for real-time product discovery and personalized recommendations.
- Designed and executed comprehensive test suites using Python-based testing frameworks to validate API functionality, performance, and security, ensuring robustness and reliability.

Student Evaluation Analysis

- Developed a K-Means Clustering model(Machine learning algorithm) to analyze student evaluation data, identifying patterns in teaching effectiveness and student satisfaction using Python, Pandas, and Scikit-learn.
- Performed data preprocessing and feature engineering, including handling categorical variables, normalizing data, and optimizing cluster selection, leading to meaningful insights from large-scale student feedback datasets.

WORK EXPERIENCE

Accenture, India

Senior Software Engineer

Aug 2021 - Jul 2023

- Developed scalable conversational AI(Artificial Intelligence) applications using C# .NET, Microsoft Bot Framework, and Azure. Improved response times by 28%.
- Gained expertise in NoSQL DB for storing conversation data, enabling advanced data driven analytics and insights. Built REST APIs with Python for backend services.
- Created and deployed AI chatbot solutions with Azure Search, Blob Storage, and Azure OpenAI, reducing Average Handle Time by 62%.
- Collaborated in an Agile development environment, contributing to code reviews and delivering high-quality, innovative and reliable solutions efficiently and enhanced user experience by 32%.

CERTIFICATIONS

- Microsoft Azure Fundamentals: AZ-900