

SUSHMA YALLAKKANAVAR

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EDUCATION

ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

Bachelor of Engineering

Major in Computer Science

Cumulative GPA: 8.3/10; 2021-2025

Relevant Coursework: Data Analysis, Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

Moodabidare, KA

Expected May 2025

JSS COLLEGE MYSURU

Study In Department Of Pre-University(12th PCMB)

Mysuru, KA

Jul 2019 - Jul 2020

WORK EXPERIENCE

DOTCH ENDEAVOURS PRIVATE LIMITED

Full-Stack Web Developer Intern

Mysuru, KA

Feb 2025 – Apr 2025

- **Developed a responsive e-commerce dashboard** using React, Node.js, and MongoDB, allowing real-time tracking of sales, inventory, and customer behavior, improving decision-making efficiency.
- **Integrated API-driven data aggregation** from multiple sources, streamlining order processing and reducing manual workload by 40%.
- **Optimized backend architecture** for scalability, enabling the platform to support 50,000+ concurrent users with minimal downtime.

PROJECT

Mijar, Moodabidare

● DATA WAREHOUSE DESIGN FOR ONLINE RETAIL ANALYTICS

- Built a cloud-based data warehouse using AWS S3, AWS Redshift, and ETL pipelines in Python, enabling structured storage and retrieval of sales data.
- Developed SQL queries for real-time business analytics and designed star schema models to optimize reporting performance.

UNIVERSITY PROJECTS

KIDNEY STONE DETECTION

Feb 2023

- **Designed and developed a machine learning-based kidney stone detection system** using Python and TensorFlow in a 4-person team during a hackathon.
- **Achieved 85% accuracy** in detecting kidney stones from ultrasound scans **Built a web interface** for real-time diagnosis, reducing manual analysis time by **40%**

DETECTION AND CLASSIFICATION OF DDOS ATTACK USING MACHINE LEARNING

Jan 2025

- Built a machine learning model to detect and classify DDoS attacks in network traffic, Analyzed datasets (CICDDoS2019, KDDCup99) and extracted key traffic features
- Trained models (Random Forest, SVM) for high-accuracy attack detection, Implemented in Python using Scikit-learn and TensorFlow for real-time security.

CERTIFICATIONS

Java Full Stack – Wipro TalentNext Course (May-Sep 2024)

Python for Data Science – Coursera (Jan 2024)

Micro-Certification - Welcome to ServiceNow –ServiceNow(Dec 2024)

Python for Generative AI – Simplilearn (Apr 2025)

Salesforce Administrator Virtual Internship – Salesforce(Nov-Dec 2023)

Cybersecurity Essentials – Cisco Networking Academy (Dec 2023)

ADDITIONAL

Technical Skills: Python (Advanced), Java, SQL, PHP, JavaScript, reactjs,; **Cloud Platforms:** AWS (EC2, S3, Redshift), GCP Fundamentals ,Linux, Ethical Hacking Frameworks & Tools: Django, UiPath, Kali Linux , vscode

Other: iOS Development, MongoDb , DBMS ,CN,OS

Languages: Fluent in English; Bilingual Proficiency in Hindi/Kannada