

# Manish Ashok

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## EDUCATION

### California State Polytechnic University, Pomona

Master of Science in Business Analytics (GPA: 4.0)

Relevant Courses: Database, Big Data Technology

Expected 08/2025  
Pomona, California

### Bangalore Institute of Technology (BIT)

Bachelor of Engineering in Computer Science & Engineering (GPA: 3.18)

Relevant Courses: Algorithms, Data Structures, Operating Systems, Machine Learning, Software Programming.

08/2017 – 07/2021  
Bengaluru, India

## WORK EXPERIENCE

### Karnataka State Forest Department

Full Stack Developer

- Designed and implemented a responsive user interface using React for the front-end, resulting in **user engagement** on the mobile platform.
- Developed and deployed **custom algorithms and ML models**, analyzing datasets over 500GB, resulting in a **15%** reduction in customer churn (equivalent to retaining 1,200 customers).
- Leveraged Docker for containerization, achieving a **25%** reduction in deployment time and enabling swift integration of crucial updates in the forest management application.
- Implemented **end-to-end AI pipelines**, leveraging state-of-the-art frameworks such as TensorFlow and PyTorch, to optimize data processing and model training workflows.

09/2022 – 08/2023  
Bengaluru, India

### Krypt India Private Limited

Business Analyst

- Tableau dashboard development for a shipping client improved **operational efficiency** by **20%**.
- Assisted in the implementation of a CRM system, improving customer relationship management and resulting in a **20%** increase in customer retention.

08/2021 – 08/2022  
Bengaluru, India

### Cognitive Solutions

UX developer Intern

- Enhanced the e-commerce platform, contributing to a **15%** boost in user engagement through responsive UI enhancements.
- Conducted code reviews, establishing coding standards that led to a **10%** reduction in **software bugs**.

06/2020 – 01/2021  
Bengaluru, India

## ACADEMIC PROJECTS & CERTIFICATIONS

### Detection Of Zero-Day Security Threat Using ML

Paper entitled the same was published in International Journal of Current Engineering And Scientific Research, Volume-8, Issue-9.

- Implemented a machine learning-based solution to identify **dormant malware** in network systems, utilizing environmental variables for effective differentiation between malware and goodware.

### Dog Care Provider

- Developed server-side functionalities using Spring Framework for efficient user request handling and secure data interactions with AWS, enhancing the web interface's user experience and data management capabilities

### Smart Inventory Management System

- Developed an end-to-end inventory management system using Python, Django, and PostgreSQL to streamline operations.

**AWS Certified Cloud Practitioner, Entry Certificate in Business Analysis (International Institute of Business Analysis), Machine Learning Specialization (Coursera), Mastering Data Structures & Algorithms (Udemy), Google Data Analytics with R (Coursera).**

## SKILLS

- Technical/Programming Languages: Python, C#, Java, SQL, node.js, HTML, CSS, JSON, React, XML, Flutter, VBA Scripts, Tableau.
- Other: Microsoft Office Suite, Agile Methodologies, Product Management, Data visualization, Data Interpretation, Data Modeling.
- Strong Communication and Interpersonal, Presentation, Cross Functional, Critical Thinking, Problem Solving, Decision Making, Time Management.

## LEADERSHIP EXPERIENCE

- Founding Member, Business & Analytical Technology Society (2023)
- Delegate at BIT Alumni Annual Meet events (2019-2021)