

# Manish Ashok

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## EDUCATION

### California State Polytechnic University, Pomona

Master of Science in Business Analytics (GPA: 4.0)

**Relevant Courses:** Intro to Python, Statistics, Database, Data Mining.

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.

08/2022 – 08/2023  
Bengaluru, India

### Krypt India Private Limited

Business Analyst

- Led a cross-functional team in implementing Microsoft Dynamics NAV for inventory management, resulting in a **25%** increase in **forecast accuracy**.
- Collaborated with stakeholders to identify and prioritize (KPIs) for monitoring **business performance**, leading to more informed decision-making processes.
- 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**.
- Enhanced a major educational website with **custom** WordPress themes and plugins, boosting daily visitors by **40%** and enrollment inquiries by **25%**.

06/2020 – 01/2021  
Bengaluru, India

## SKILLS

- Programming Skills: C++, C, Java, Python, JavaScript, Dart, HTML, CSS, Rest APIs, VBA Scripts.
- Databases: SQL (MySQL, MS SQL, PostgreSQL, OracleDB), NoSQL (MongoDB, Dynamo DB, Orient DB).
- Tools: Power BI, Tableau, AWS (EC2, S3), git, Docker, Kubernetes, Flutter, SonarQube, Apache Tomcat, Unix, bash.
- Frameworks/Libraries: NodeJS, ReactJS, AngularJS, AJAX, Express, Flask, Junit, Springboot, Guice, Map/Reduce.
- Other: Microsoft Office Suite, Agile Methodologies, Strong Communication and Interpersonal, Presentation, Cross Functional, Critical Thinking, Problem Solving, Decision Making, Time Management, TeamWork, Customer Service.

## ACADEMIC PROJECTS & CERTIFICATIONS

### Detection Of Zero-Day Security Threat Using ML <sup>🔗</sup>

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.

### Twitter Feed live mood detection Chrome extension

- Architected a Chrome extension to identify and inject sentiment of tweets as emojis in a user's live Twitter feed.
- Users can filter feeds to show positive, negative or neutral content. VaderSentiment was employed for **Sentiment analysis**.

### Dog Care Provider

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

**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).**

## LEADERSHIP EXPERIENCE

- Founding Member, Business & Analytical Technology Society (2023)
- Delegate at BIT Alumni Annual Meet events (2019-2021)
- Vice President at Rotract Club, BIT (2018-2020)