

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.

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. VadarSentiment 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

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

- 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)
- Frameworks/Libraries: NodeJS, ReactJS, AngularJS, AJAX, Express, Flask, Junit, Springboot, Guice, Map/Reduce
- Tools: Power BI, Tableau, AWS(EC2, S3), git, Docker, Kubernetes, Flutter, SonarQube, Apache Tomcat, Unix, bash
- Other: Microsoft Office Suite, Agile Methodologies, 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)