

# Prajwal Prathiksh

DATA SCIENTIST · ANHEUSER-BUSCH INBEV

Bangalore, India

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AI-ML Data Scientist with expertise in scalable GenAI solutions. Adaptable, accountable & skilled in driving business innovation. Passionate about leveraging AI to transform operations and achieve strategic goals.

## Work Experience

### Anheuser-Busch InBev

Bangalore, India

AI-ML DATA SCIENTIST

2023-Present

#### Recon.ai (Vendor Statement Reconciliation)

- Analyzed LLMs (OpenAI & Google Gemini) to parse complex invoice PDFs, achieving **96%** accuracy, surpassing competition by **35%**
- Developed a scalable pipeline with **Azure, OpenAI, NLP & OCR** technologies, ensuring zero rate-limiting issues & optimum performance
- Leading VSR **GenAI Analyst** pilot (NAZ), projected to boost EBITDA by **\$2M USD** in 2024, reducing FTE requirements & TAT by **30%**
- Awarded the **Budweiser Award (Rockstar Rookie-2024)** for exceptional performance (2 winners globally out of 30+ fresh hires)

#### PTP Hub (Duplicate Invoices Product)

- Optimized **ML model & scoring algorithm**, achieving **95%+** coverage of duplicates, reducing FTE efforts by **30%**
- Developed an **interactive front-end dashboard** for monitoring & reporting, resulting in **100%** adoption within 2 months of UAT by GCC
- Played a key role in the **global launch** of PTP Hub, achieving **100%** uptime and boosting EBITDA by **\$4M USD (YTD)** for North America
- Awarded the **Pint Award (2023)** for impactful contributions to the **full-scale deployment** & adoption of PTP Hub

### Anheuser-Busch InBev

Bangalore, India

DATA SCIENTIST INTERN

May 2021 - Jul 2021

- Developed an optimization algorithm for load-linking, increasing efficiency by **67%**, reducing VLC costs by **10%**, and trucks on road by **8%**
- Delivered a **full-stack solution** for real-time route optimization, enhancing monitoring & reporting for the **UK & Russian markets**

### University of Waterloo

Waterloo, ON, Canada

MITACS GLOBALINK RESEARCH INTERN

May 2022 - Jul 2022

- Awarded the prestigious **MITACS Globalink Internship** among **8K+** applicants globally, for the project - "Control of Flagellated Microswimmers"
- Conducted parametric analysis on control algorithms for flagellated microswimmers, providing novel insights into micro-biomedical robots

## Projects

### Master's Thesis

GUIDE: [Prof. Prabhu Ramachandran](#), Department of Aerospace Engineering, IIT Bombay

Jul 2022-Jul 2023

- Title: "**Turbulence Modelling for Smoothed Particle Hydrodynamics (SPH)**"
- Developed in-house **HPC** code for parallel computing on **IIT Bombay's HPC Cluster**, achieving speed comparable to commercial CFD software
- Awarded **Best Master's Thesis Award (2023)** by Aeronautical Society of India and **Undergraduate Research Award (2023)** by IIT Bombay

### System Head, IIT Bombay Student Satellite Program

A 70-member **student team** dedicated to the vision of making IIT Bombay a centre of excellence in space technology

Feb 2019 - Mar 2022

- Led a **multidisciplinary team** in developing an indigenous Star Tracker-based Attitude Determination System (STADS) as a COTS alternative
- Developed an autonomous star tracker, resulting in a proposal to **ISRO** for Technology Demonstration on **PSLV's Orbital Platform**
- Presented research at **AIAA SciTech Forum (USA)**, **IAA-ISRO SMOPS-2023**, & **National Conference on Small Satellite Technology & Applications 2020**

### Manager, Controls & Dynamical Systems Student Reading Group (CDS-SRG)

INSTITUTE TECHNICAL COUNCIL, IIT BOMBAY

Mar 2020 - Mar 2021

- Organized 10+ workshops and seminars on control systems, robotics & automation, and curated content for CDS-SRG FB page (reach 2.5K+)
- Organized Summer Learning Projects-2020, providing a platform for students to collaborate virtually & implement projects in control systems

## Education & Skills

2023 **Dual Degree (B Tech + M Tech)**, Dept. of Aerospace Engineering, [IIT, Bombay](#), India - GPA 9.03/10.0

**Languages** Python, Cython, MATLAB, C++, Rust,  $\LaTeX$

**AI-ML Libraries** PyTorch, Tensorflow, Langchain, OpenAI, Google Gemini, spaCy, OpenCV, Numba, Compyle

**Tools** Git, GitHub Actions, PowerBI, ADF, Docker

**Frontend** HTML, CSS, JavaScript