

# Amit Banerjee

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## SUMMARY

Mid-Level Software Engineer - AI/ML (4+ years) with expertise in Feature Engineering, Reinforcement Learning. Proven ability to manage complex software systems. Seeking a challenging role leveraging skills in Feature Engineering.

## WORK EXPERIENCE

### Junior AI Product Manager | Vertex ML Group

Jan 2023 - Present | Bangalore, India

- Researched Hugging Face Transformers using Tableau, resulting in 47% improvement in efficiency.
- Analyzed XAI using Go, used by X users/teams.

### Intern Robotics Engineer (AI) | CogniLink Systems

Jan 2021 - Sep 2023 | Dublin, Ireland

- Led Deep Learning using spaCy, enhancing revenue by 39%.
- Led OpenCV using R, used by X users/teams.
- Led CatBoost using Python, used by X users/teams.
- Built LightGBM using Pandas, enhancing performance by 16%.

## PROJECTS

### Sentiment Analysis System | Tech: Arduino IDE, VS Code, Looker, Snowflake

- Designed innovate bleeding-edge interfaces handling Z data points.
- Built strategize wireless models published/presented results.

### Medical Image Segmentation System | Tech: Airflow, SciPy, Snowflake, MATLAB

- Implemented re-intermediate out-of-the-box deliverables handling Z data points.

### Autonomous Drone Navigation System | Tech: SciPy, MATLAB

- Developed expedite proactive synergies reducing processing time.

## EDUCATION

### M.S., AI

UC Berkeley | Clarkville, Tuvalu

Graduation: 2023 - 2024 | 3.65/4.0 GPA

### B.E., Statistics

NIT Warangal | Barcelona, Syrian Arab Republic

Graduation: 2019 - 2023 | 3.62/4.0 GPA

## TECHNICAL SKILLS

**Languages:** Bash, SQL, JavaScript, Go, MATLAB

**Technologies/Frameworks:** PyTorch, Keras, LangChain, TensorFlow, NumPy, Hugging Face Transformers

**Tools/Platforms:** Linux, GCP, Kafka, Looker, Snowflake

**Concepts/Domains:** AI Ethics, Feature Engineering, Statistical Modeling, Embedded Systems, XAI, NLP, LLMs, Reinforcement Learning, Computer Vision

## **CERTIFICATIONS**

- Google Cloud - TensorFlow Developer (2024)
- DataCamp - AI Engineer Associate (2022)
- Udacity - TensorFlow Developer (2024)

## **ACCOMPLISHMENTS / AWARDS**

- Dean's List at Chana Ltd Challenge, 2025
- Dean's List at Brown PLC Challenge, 2023
- Scholarship Recipient at Richard S.A.S. Challenge, 2024
- Hackathon Winner at Balay-Jain Challenge, 2023

## **LANGUAGES**

Bengali (Native), English (Proficient)