

Akshar Raikanti

San Ramon, CA | (925) 416-9570 | akshar.raikanti@gmail.com | [Website](#) | [LinkedIn](#) | [GitHub](#)

EDUCATION

Purdue University, College of Science

Bachelor of Science, Computer Science;

Bachelor of Science, Artificial Intelligence

- Future Concentration: Machine Intelligence
- Sophomore (Junior Status) – Graduation: May 2026

West Lafayette, IN

August 2023 - Present

Relevant Coursework:

- **CS 18000** - Problem Solving and Object-Oriented Programming
- CS 18200 – Foundations of Computer Science
- CS 24000 – Programming in C
- CS 17600 – Data Engineering In Python
- CS 19300 – Tools
- CS 25000 – Computer Architecture (Fall 2024)
- CS 25100 – Data Structures (Fall 2024)

PROFESSIONAL EXPERIENCE

TransSIGHT

Data Engineering and Machine Learning Intern

San Ramon, CA

June 2024 – August 2024

- Developed an end-to-end data pipeline using Apache Airflow, automating data ingestion, transformation, and loading into SQL Server. Managed Docker containers to ensure consistent environments, improving deployment speed. Applied ML models to predict transit demand, improving accuracy. Configured AWS services (S3, MWAA) for scalable, secure data processing. Performed complex SQL queries, and optimized database performance. Created data visualizations for insights and monitoring key metrics.
- Relevant Skills: Python, SQL, Scikit-learn, TensorFlow, Pandas, SQLAlchemy, PyODBC, Matplotlib, Seaborn, Docker, Apache Airflow, AWS (S3, MWAA, IAM), Microsoft SQL Server, PyTest, Redshift

Headstarter AI

Software Engineering Fellow

San Francisco, CA

July 2024 – September 2024

- Participated in an intensive 7-week AI/ML and software engineering fellowship. Built a personal website with HTML, CSS, and DNS. Created a pantry tracker using ReactJS, NextJS, and Firebase for real-time data. Developed an AI customer support system with OpenAI, NextJS, and AWS. Designed an AI flashcard app with Stripe API payments and OpenAI content. Built an AI rating platform using RAG, OpenAI, and vector databases. Completed projects for Startups, focusing on branding, deadlines, and UI. Presented projects to engineers, honing technical communication and presentation skills.
- Relevant Skills: Artificial Intelligence, Machine Learning, Reinforcement Learning, NextJS, ReactJS, AWS, RAG, Firebase, Natural Language Processing (NLP), Web Development, Software Engineering, API Integration, User Interface Design, and Project Management

BASF

Data Science and Machine Learning Intern

West Lafayette, IN

August 2023 – May 2024

- Purdue University Data Mine Program - Corporate Partners: Approximating Competitor Market Share
- Deliver a statistical approach to approximating competitive market share down at a more granular level. Then leverage such output to compute benchmarking analytics for quantifying the accessible market opportunity relative to our competitors.
- Relevant Skills: Data Cleaning, Data Analysis, Exploratory Data Analysis, Machine Learning, Microsoft Azure Machine Learning, Microsoft Azure, Market Research, Statistics, Microsoft Power BI, Statistical Modeling, Python Programming