ANKITA TANK

♦ tankankita02@gmail.com ♦ [GitHub](#) ♦ [LinkedIn](#) ♦ [Portfolio](#) ♦ Chicago. IL

EDUCATION

Masters in Artificial Intelligence   **Expected May 2026**

Depaul University   Chicago, IL

Bachelor of Science in Computer Science

University of Illinois at Chicago

SKILLS

AI / ML: Image Processing, Jupyter Notebook, Python, Data Manipulation, GenAI integration, AWS Sagemaker

Fullstack: Lambda, API Gateway, AWS, React.js, Vue.js, Ruby on Rails, Java, SQL

WORK EXPERIENCE

Snapsheet Inc   *Sept 2022 - Dec 2023*

Software Engineer   *Chicago, IL*

- Developed XGBoost and classification models leveraging NLP methodologies to analyze vehicle damage descriptions, achieving an accuracy of **87%** in predicting vehicle's potential total loss.
- Developed image classification models to categorize damaged vehicle parts from images, achieving a high accuracy rate of **96%**, reducing claim's processing time by **80%**.
- Refined and analyzed over **600** datasets using Jupyter Notebook, Scikit-learn, and Matplotlib, applying advanced filtering techniques to enhance data quality.
- Built and optimized AWS cloud CI/CD pipelines, standardizing infrastructure updates and reducing deployment time by **60%**, resulting in faster and more reliable feature releases.
- Implemented New Relic and CloudWatch monitoring dashboards and alerts with optimized SQL queries, enabling real-time tracking of product usage and efficiency, resulting in reducing error rates.
- Developed claim components for United State's top Auto insurance providers, ensuring seamless integration with large datasets while maintaining an intuitive design and response time, leveraging React.js best practices.

Morningstar Inc   *Aug 2020 - Sept 2022*

Senior Software Engineer   *Chicago, IL*

- Engineered an automated ETL pipeline using AWS services, boosting product processing time by **45%**.
- Refined AWS Elasticsearch to efficiently query over **1000** data points using SQL, reducing response times by **50%**.
- Developed Morningstar Research dashboards using Vue.js and Python, enabling efficient security data visualization and enhancing investment decision-making by providing actionable insights.
- Led complete development of features, including system design, API and front-end development, and deployment, resulting in faster feature delivery and consistently achieving KPIs.
- Mentored junior engineers by providing feedback on tasks and supporting their professional growth.

Software Engineer   *Sept 2018 - Aug 2020*

- Built modular and reusable UI components using Vue.js to ensure consistency across Morningstar web products resulting in enhanced user experience and increase in user engagement by **40%**.
- Developed scalable APIs using Java and C# best practices, optimizing performance to consistently achieve response times under **3** seconds.

PROJECTS

License Plate Detection | YOLOv5, OpenCV, and Tesseract OCR   *Jan 2025 - March 2025*

- Built a real-time license plate recognition system, leveraging image preprocessing techniques like Gaussian blur, thresholding, and morphology to optimize detection and significantly enhance OCR accuracy.