

Pranjal Kattel

(252)-263-9160 | pranjal@umd.edu | [linkedin.com/in/pranjalkattel](https://www.linkedin.com/in/pranjalkattel) | github.com/llpranjal | U.S. Citizen

EDUCATION

University of Maryland

December 2026

Bachelor of Computer Science + Statistics Double Major – GPA: 3.7

College Park, MD

- UMD Gemstone Honors College Program
- Courses: Systems and Architecture, Discrete Structures, Data Science, Advanced Algorithms, Web Dev., Linear Algebra, Applied Statistics, Calculus III

TECHNICAL SKILLS

Languages: Python, JavaScript/TS, C, Java, OCaml, Rust, Assembly, Jinja, HTML/CSS

Libraries/Frameworks: React.js, Flask, TensorFlow, OpenCV, Pandas, NumPy, Node.js

Tools: AWS, Git/GitHub, Docker, Firebase, Prisma, Postman, Jupyter, VSC, Unix, Jira

EXPERIENCE

U.S. News and World Report

Aug 2024 – Dec 2025

Software Engineering Intern

College Park, MD

- Developed advanced graph models for effective visualization of historical and predictive data, integrating data quality filtering to achieve over 98% validation by analyzing trends, detecting anomalies, and eliminating outliers.
- Designed and optimized asynchronous data pipelines to process datasets for 10,000+ colleges, supporting real-time data comparisons and analytics.
- Engineered a comprehensive internal tool to visualize and manage datasets from the U.S. News internal API.
- Collaborated with U.S. News representatives to architect and prototype scalable solutions on enterprise servers.

National Institutes of Health (NIH)

May 2024 – Aug 2024

Data Scientist Intern

Gaithersburg, MD

- Implemented cross-model mappings, using Neo4j to query related entities and developing backend using Flask.
- Refactored existing repositories by replacing custom Cypher query with new implementations, maintained existing functionality with Pytest.
- Integrated custom data representations with Flask applications to enhance functionality, including creating a demo for embedding a model navigator into a Flask app.

App Dev Club

Jan 2024 – May 2024

Bootcamp Engineer

College Park, MD

- Engaged in App Dev bootcamp, backed by multiple Fortune 500 companies, working with full-stack development skills across Git, React.js and Django.
- Designed and integrated databases, including data querying, and handling backend operations to support web applications.

PROJECTS

Facial Recognition Attendance System | Source Code – Python, OpenCV, TensorFlow, Keras

- Built an automated attendance system using facial recognition, leveraging OpenCV for real-time face detection and TensorFlow for face matching.
- Achieved a face recognition accuracy of 93%, with a false positive rate of less than 4%.
- Integrated Keras to train a neural network on over 2,000 face images, improving recognition performance by 11%.

FlowNote | Source Code – React.js, Express.js, Prisma, PostgreSQL

- Developed a note-taking application reviewed by 30+ students to create, edit, and delete notes efficiently.
- Designed backend integration with RESTful APIs, allowing real-time UI updates and efficient state management.
- Streamlined user interactions through optimized data fetching, enabling quick and responsive note rendering and local operations.