

# Bhavya Patel

CS student focused on data and human-centered AI

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Location: Kent, OH, USA

GitHub: [github.com/](https://github.com/)

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## Skills

- **Programming:** Python, Java, C++
- **Web:** HTML, CSS, JavaScript
- **Data & AI:** Pandas, scikit-learn, SQL
- **Tools:** Git, Docker, Linux

## Education

### Kent State University — B.S. Computer Science

2023 — Present | Kent, OH

## Work Experience

### Student Researcher — SURE 2025

Kent State University | Summer 2025 | Kent, OH

- Analyzed AI adoption in accounting firms using a checklist method.
- Built reproducible pipelines and open-data artifacts.

### Culinary Services — Night Auditor

Kent State | 2024 — Present | Kent, OH

- Coordinated shift schedules and incident logs.
- Improved nightly reconciliation time by ~15%.

## Projects

### Doc2Video Pipeline

Python, FastAPI, Docker, FFmpeg

- Converts PDFs/PPTs into narrated educational videos.
- Extracts text/visuals, generates script, synthesizes audio.
- Modular pipeline with logging & CLI.
- Deployed on Linux; configurable durations.

### Portfolio Website

HTML, CSS, JS

- Accessible personal site with HCI best practices.
- Keyboard navigation, skip links, ARIA feedback.
- WCAG AA color contrast and responsive layout.
- No build tools; runs on CS server.

### Network Tracer Analyzer

Python, Pandas, Matplotlib

- Traceroute data visualizer and report generator.
- Parses multiple traceroutes and computes stats.
- Exports CSV and charts for reports.
- CLI + notebook workflows.