Haasil Pujara

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EDUCATION

Hunter College, New York, NY   *Expected May 2027*
B.A, Computer Science and Chinese Language & Literature
Relevant Courses: Intro to Computer Science, Intro to Applied Statistics, Data Structures & Algorithms, Discrete Mathematics, Computer Architecture, Web Development, Operating Systems, VR/AR/Mixed Reality, Database Management;

WORK EXPERIENCE

Web Developer
Chinese Flagship | New York, NY| React, CSS, HTML|| *June 2025 - Present*
- Resolved **40+ bugs** in a legacy codebase, increasing app stability and modernizing architecture
- **Improved learner engagement time by 40%** by designing interactive comprehension exercises centered around video module lessons

Undergraduate Research Assistant
Queens College | New York, NY| Python| *October 2024 - Present*
- Developed and deployed Python-based AI agents to **classify student code errors with 85% accuracy**, leveraging NLP techniques to analyze and identify patterns in common programming misconceptions.
- Improved the robustness of error detection systems by manually curating and **categorizing 300+ unique student error cases**, enhancing the model's precision and supporting iterative training cycles.
- Streamlined feedback workflows for CS assignments by integrating automated error classification with LLM-based grading systems, **reducing instructor grading time by 40%**.

Software Developer Intern   *March 2024 - April 2024*
StemKasa|New York, NY |React, Node.js, MongoDB, CSS|
- Migrated legacy front-end components from **JavaScript** to **React**, boosting **user interactivity and page responsiveness** for K–12 STEM learning platforms.
- Designed and deployed a **personalized learning preferences form**, integrating with **MongoDB** to enable **real-time data retrieval** and tailor content for students.
- Engineered a **GPT-3.5 Turbo-powered recommendation system**, generating custom lesson plans by analyzing student inputs and aligning with individual learning styles.

PROJECTS

Bi - Chinese Flashcard App
- Developed a **full-stack flashcard web application** using **React, Material-UI, Express, and MongoDB**, enabling users to create, edit, and study Chinese characters.
- Integrated the **Hanzi Writer library** for interactive stroke-order animations, providing an engaging way to practice character writing.
- Designed a responsive and dynamic user interface, implemented RESTful APIs, and supported CRUD operations for seamless data management.

Smart Save – Budgeting App (HackNYU 2025)
- Collaborated in a team of 3 to develop a **React Native budgeting app** with **Node.js & Firebase backend**, analyzing transactions to assign an impulse score.
- Integrated **Lithic API & CapitalOne Nessie API** for financial data simulation, enhancing spending insights.
- Implemented **dynamic UI components** and **state management** to ensure seamless user interactions.

SPECIALIZED SKILLS

Technical Skills: Python; C++; HTML; CSS; Javascript; React; Node.js; MongoDB, SQL; React Native; Express