ARMAAN PATANKAR

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EDUCATION

Brown University, I RC‹6Ω'™ *Providence, RI*　　　　　　　　　　　　　　　　　　　**Expected May 2026**
Bachelor of Science, Computer Science and Economics; "Dcej gnqt "qh'Ctvu." kpvtpcvkqpcn'cpf "Rwdrke 'Chhcktu"
Relevant Courses: Computer Systems, Program Design with Data Structures and Algorithms, Object-Oriented
Programming, Intermediate Microeconomics, Statistical Inference, Ordinary Differential Equations, Linear Algebra

Valley Stream South High School, *GPA: 111.97 ~Valley Stream, NY*　　　　　　　　　　　**June 2022**
Awards: Top 2% of Graduating Class, "National AP Scholar, AP Capstone Diploma. "Qn{o r keu'qh'Xkuwcn'Ctvu"
Ugeqpf "Rnace, National Honor Society President, Science Honor Society President, Captain of Mock Trial

PROJECTS

Shell, *CS300 (Software Systems, File Organizing)*　　　　　　　　　　　　　　　　　**October 2023**
- Implemented core functionalities such as process execution, command parsing, and input/output redirection, background and foreground jobs resulting in a *robust and versatile* shell
- Designed and implemented a custom command-line interface with a focus on usability and efficiency, incorporating features like history, tab completion, and job control
- *Intensive* error-checking to protect against failed user input or possible function failure

Music Streaming Platform, *(Software Engineering, Full-Stack, Data Structures)*　　　　　**August 2023**
- Orchestrated the development of a dynamic and responsive user interface, using **Next.js**, **React**, and **Tailwind CSS** to create an immersive user experience with smooth animations and transitions
- Achieved efficient data handling, real-time updates, and user interactions, enhancing the overall project's functionality and user engagement through full-stack development
- Accomplished the implementation of a robust backend using **Supabase**, ensuring secure user registration and login processes with advanced functionalities like song uploads, favorites, playlists, and real-time data updates

Decision Tree, *CS200 (Machine Learning, Data Structures)*　　　　　　　　　　　　　**February 2023**
- A machine learning program which reads in data sets of information broken down by attributes to form classify different items
- Utilizes *Hashmaps* and *Lists* to form different structures to store data which is fed into different algorithms to train the program on the classification heuristic
- Implemented the algorithm using object-oriented programming principles, including encapsulation and inheritance

More available upon request

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Dtqyp'Crrngf 'Eqo r wkpi, *Uqrj qo qtg 'Ngcf gt*　　　　　　　　　　　　　　　　**Cwi wuv 2025-Present**
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Brown-RISD STEAM, *Project Manager*　　　　　　　　　　　　　　　　　　　　**May 2023-Present**
- Coordinated with hardware and software designers to oversee the completion of the project and exhibit
- Organized and hosted various events such as mushroom hunts, creative coding workshops, and more

More available upon request

SPECIALIZED SKILLS

Technical: Python, Java, C, C++, Git , React, Node.JS, Next.js, HTML, CSS, Swift, Functional and Object-oriented Programming
Languages: English (fluent), Spanish (fluent), Hindi (intermediate), Urdu (intermediate), Arabic (Beginner)

Interests: Econ-DUG *E-Board*, Hack@Brown, Sunrise at Brown, Brown Tutoring, Brown South Asian Student Association, Brown Quantum Computing, Brown Model UN, Climbing