PRANAV AURORA

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EDUCATION

University of Pennsylvania, School of Engineering and Applied Science   **Philadelphia, PA**
Candidate for Bachelor of Science in Engineering, Computer Science, Economics & Mathematics   *Expected May 2023*
GPA: 3.95/4.0
Relevant Courses: Discrete Mathematics, Algorithms I & II, Data Structures, Network Systems, Macro & Microeconomics

United World College, South East Asia   **Singapore**
International Baccalaureate (IB) and IGCSE degrees   *May 2017*
IB: 44/45 (Higher Level Mathematics, Physics & Chemistry)
Research: Mathematically modeling the coefficient of restitution and the vibrational nodes of a tennis racket using Matlab

WORK EXPERIENCE

Weiss Tech House   **Philadelphia, PA**
Head of Investor Relations at Weiss Pitch   *September 2019 – Present*
- Spearheaded events like Pennvention to connect seed-round student-enterprises with VCs across the country
- Developed expansion strategies for portfolio companies through analysis of market segmentation and brand positioning

Jungle Ventures   **Singapore**
Investment Analyst Summer Intern   *June 2019 – August 2019*
- Conducted commercial due diligence for our investments in the SaaS, B2B space
- Developed a python program to calculate customer acquisition costs (CaC), lifetime value (CLV), retention rates, and revenue (ARR) for a SaaS company
- Worked with portfolio companies in hyper growth regions like Indonesia and Philippines to map out customer lifecycles

Ministry of Home Affairs   **Singapore**
National Service Inspector & Team Leader, Singapore Police Force   *June 2017 – May 2019*
- Selected for the prestigious Officer Cadet Course where I completed a year of physical, tactical, and leadership training
- Commissioned as a commander and managed the training, regimentation, and deployments of a troop of officers
- Deployed as a red teaming and security specialist during level-five security events like the Trump-Kim summit
- Two-time recipient of the distinguished Commanders Award for maintaining professionalism, leadership and discipline

PROJECTS & LEADERSHIP

Penn Course Navigator
A program to help search for courses across all departments and schools at Penn
- Developed a Java program that uses Penn API to allow users to search for courses by buzzwords instead of course titles
- Program runs PageRank to suggest the 10 most similar courses (considering course description) to the buzzword search
- Displays all the prerequisites for the selected course through a topological sort and graph traversal

Tuition Center HR manager
A web app for tuition centers to manage HR related functions
- Worked on the backend of an application that attempts to digitalize HR processes using Express, Node and SQLite3
- App allows the administrator to assign teachers to students, manage their progress in class, and keep track of payments

SME Searcher
A web app that promotes smaller businesses
- Developed a search engine that allows users to find local businesses to support within their community
- Uses Yelp API to query the list of businesses, ensuring that the results are not convoluted by ads of larger corporations
- Developed with ReactJs on the frontend, and Express and Node on the backend to manage the API calls

International Affairs Association
Associate Director at Community Outreach and Engagement Branch
- Developed and taught Computer Science modules for Philly high schools to help students be inspired by STEM careers

Magic Bus Focus Group
Co-founder & Head of Operations
- Founded and led a focus group in Singapore that raises funds and awareness to support the Magic Bus movement in India
- Raised $12000 to empower 400 students in New Delhi to undergo Magic Bus' activities-based educational program

TECHNICAL SKILLS

- **Languages**: Java, JavaScript, JSX, HTML, CSS, Python, OCaml, SQL
- **Tools:** ReactJS, Express, Bootstrap, NodeJS, jSoup, SQLite3, MongoDB