Akash Chandra

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GPA, on a 4 point scale   **:** Unweighted - 3.674; Weighted - 4.600

Advanced Placement Scores, on a 5 point scale:
- Computer Science Principles - 4
- Computer Science A - 4
- Calculus BC - 5
- Statistics - 5
- Physics 1 - 5
- Physics 2 - 4

Project Lead the Way Assessments, on a 600 point scale:
- Principles of Engineering: 540 - Distinguished

Awards/Achievements:
- AP Scholar with Distinction Award
- Targeting the "College Board" + "Project Lead The Way" recognition in Engineering
- President's Education Awards Program in 8th Grade

Projects:
- Battle Bots — participated in robotics club at Fremd High School
  Design, build, and troubleshoot robots. I had the opportunity to build and design 3 robots at Fremd. We designed the robots in Autodesk Inventor, and built them out of polycarbonate, after getting the parts cut out on a CNC router.
- PasswordPawn — At Code 211 hackathon
  Worked on a team of 4. I worked on a password manager in HTML and JavaScript, using local storage. I worked on the storage, encryption, and decryption of the program in JavaScript. This is available on GitHub at AkashChandra-02/PasswordPawn.
- Inverness Soccer Club Website - I worked on the website for the local soccer league. This is a complete project and is available on Github.

Engineering Skills:
Autodesk Inventor, NI Multisim, MD Solids, CNC routing, MIG welding, plasma cutting, laser cutting, soldering, oscilloscope use, schematic reading, breadboarding, function generator use, radio equipment, Arduino

Computer Skills:
Python, Java, Anaconda, Visual Studio, GitHub repository, Apache server, Wireshark, Microsoft Office, PHP, C++ (Arduino), C

Interests & Activities:
- Inverness Soccer Club: Volunteered to support games, prepared field with goal posts and layout.
- Electronic Club President, for years 2019-2020: I help organize and set up multiple events, creating games and organizing the room.

Certifications:
- FCC Amateur Radio License - Technician Level
- USSF certified soccer referee grade 8 & 9 (Youth games and recreational leagues)
- NOAA SKYWARN volunteer

Previous Work Experience:
- *Soccer Referee* at Inverness Soccer Club: August 2019 - October 2019
  I was a soccer referee for 1st - 5th grade.

Language Proficiency: English (first language), French (read, write, speak), Hindi (spoken).

Community Service
- Peer tutoring
  - I have helped my classmates in biology, geometry, chemistry and algebra II for 2 semesters.
- STEM related community service
  - I helped set up and run a booth explaining the STEM classes and extracurriculars at William Fremd High school.
    - Carl Sandburg STEAM fair - 2 hours
    - Freshman night - 6 hours
    - Palatine Library STEM fair - 3 hours