

Sara Karnik

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Objective: Internship in the field of Software, Cyber Security, Machine learning, Artificial Intelligence or Data mining.

Education and Achievements:

- Sophomore at Purdue University, West Lafayette, USA
- Bachelor of Science in Computer Science with a minor in Mathematics
- GPA: 3.71/4.0
- Dean's list
- Scored 96% and 90% in the 10th and 12th board exams respectively in India (High School)

Relevant Coursework:

- 'Data structures and Algorithms' and 'Computer Architecture and Hardware' (Aug 2019 – Present)

Technical Skills:

- C, Java, C++, Basic HTML, R and Python

Languages:

- Native or Bilingual Proficiency in Hindi and Marathi
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Experience and Affiliations:

Supplemental Instruction Leader for course MA 16010 (Aug 2019 – Present)

- Lead sessions and facilitate learning through fun, collaborative activities that provide more practice with challenging course material

One-year Corporate Partnership with FORD through the Data Science learning community (Sept 2019 – Present)

- Developing Question-Answer system software using Natural Language Processing (Team Project)

Mentor for Hello World Hackathon (Sept 15, 2019)

- Help freshmen with their Hackathon Projects and guide them during the brainstorming session

Internship with Datamatics Software Ltd. for software robotics (Dec 2019)

Computer Science learning community (Aug 2018 – May 2019)

Taught Science, Math and English to middle school underprivileged kids from Sanjivini Marathi School (May 2015)

Programming Projects:

Othello game (recursi)

- One user game using arrays and loops

DNA compressor:

- Program that compresses as well decompresses string of letters that is DNA

Censoring Personal information:

- Program that censors only specific parts of name, email and phone number of user

Text filter:

- Program that censors only according to the user's wish

Database Manager:

- Program that manages data of a shop, send deliveries by truck, plane or cargo according to load, and assigns drivers to each vehicle (Partner project)

Chat server:

- Simple chat server using the concept of synchronization, server sockets, multi-threading and concurrent programming (Partner project)

Sleep Cycle calculator:

- GUI that calculates right time to sleep or wake up and sleep cycles according to the user's choice.

Valet parker:

- Parks and removes cars. Shows if garage entered by the user is full or if there is any empty space
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Interviews and Published Material:

- Greenline Organization (NGO), posted my video on YouTube regarding 2015 United Nations Climate Change Conference in Paris, France, Mumbai, Nov 2015
- Interviewed by national daily, Hindustan Times, regarding my video & my views about UN summit, 23rd Nov 2015