

Sehar Panesar

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<https://seharpanesar.github.io/>

4th year BS/MS student at Purdue University studying Computer Science. I love working hard on my own projects and learning more about software.

EDUCATION

B.S. in Computer Science, Purdue University – West Lafayette, IN. Will graduate 12/2022

- GPA: 3.83/4
- Relevant courses: Data Structures and Algorithms, Systems Programming, Data Mining and Machine Learning, Analysis of Algorithms, Computer Architecture, C, Java, Discrete Math, Calculus.
- Dean's List & Semester Honors for all semesters
- Member of Alpha Kappa Psi, the nation's premier business fraternity

M.S. in Computer Science, Purdue University – West Lafayette, IN. Will graduate 12/2023

- GPA: 3.85/4
- Relevant courses: Natural Language Processing, Statistical Machine Learning, Algorithm Design Analysis and Implementation, Theory of Computation / Complexity Theory.

EXPERIENCE

Machine Learning Intern at StepFunction.ai (May 2022 – August 2022)

Developed a comprehensive recommendation engine from scratch to identify customers most responsive to an upsell of a given SaaS product. Applied and researched state of the art techniques such as collaborative filtering and market basket analysis to build the model.

Undergraduate Research Assistant at Purdue University (February 2022 – May 2022)

Researched and applied latest convolutional neural network papers to improve the performance of Emap2Sec. Emap2Sec is a model that can predict secondary structures of proteins in cryo-EM maps of intermediate resolution range.

Undergraduate Teaching Assistant at Purdue University (August 2022 – Present)

Assisted students with concepts taught in CS381: Introduction to the Analysis of Algorithms.

SKILLS

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|-----------|---------------------------|-------|
| • Python | • TensorFlow / Pytorch | • AWS |
| • Java | • Linux / Unix | • Git |
| • C / C++ | • HTML / JavaScript / CSS | • SQL |

PERSONAL PROJECTS

My personal projects can be viewed at <https://seharpanesar.github.io/projects/>. I am happy to present these projects at an interview!