

Shrey Kohli

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Skilled individual with leadership and team building skills, seeking an internship to gain an insight into industry level programming and problem solving.

EDUCATION

Michigan State University (Graduation May 2025) – E. Lansing, MI

B.Sc. Computer Science (Honors college) (Cumulative GPA : 4.0) **Delhi**

Private School (2015-2021) – Sharjah, United Arab Emirates

CBSE curriculum – Math 96%, Physics 99%, Computer Science 99%, Chemistry 96%, English 99%

EXPERIENCE

Internship at National University of Singapore (Singapore) (June-December 2019)

- Devised an innovative solution to tackle the problem of road accidents using machine learning and computer vision.
- Utilized the design thinking methodology for understanding the problem and ideation.
- Gained proficiency in:
 - Design thinking
 - Team building and management
 - Problem solving
 - Critical thinking
 - Leadership skills
 - Presentation and oratory skills

Smart Microsystems Laboratory (SML) at Michigan State University (MI, USA) (Fall 2021-)

- Working as an undergraduate professorial research assistant under Dr. Xiaobo Tan
- Research focuses on building/programming underwater and underground robots.

Spartahack Winner (Michigan State University's official hackathon) (MI, USA) (April 2022)

- Created a new method of interaction with the computer for people with disabilities, using real time AprilTag tracking, computer vision, Machine learning, etc.
- The project was awarded the overall first place as well as the Michigan State Federal Credit Union sponsor award.

Federal Institute of Science and Technology hackathon (UAE) (January 2018)

- Created a smart walking stick for the blind that can sense its surroundings using ultrasonic radiations.
- Collaborated with engineers at Federal Institute of Science and Technology to create a working prototype.
- Gained knowledge in the following areas:
 - Arduino, electronics, and sensors
 - CAD software
 - Team building and management

HONORS

- Presidential/ Honors scholarship for 4 years from Michigan state university (2021-)
- Bronze Honor at the finals of Asia International Mathematics Olympiad (2020)
- Head Boy (highest position) of the student council (2020-21)

EXTRACURRICULARS

- Part of the winning team at First Tech Robotics challenge (2019)
- Self-Composed poem was adjudged amongst the top 25 across UAE by SGI Gulf as part of the Poetic Heart contest. (2019)
- National level Tennis Player, Won silver medal at the National Qualifiers (2019)
- Part of the Michigan State University team for eCTF (ethical hacking contest) organized by MITRE (2022 - present)

SKILLS

- Intern Shala certified **Android App developer**
- Completed Intern Shala **Machine Learning course**
- **Software:** Microsoft office (Word, PowerPoint, Excel), Unity, Ubuntu, Android Studio, OpenMV, Visual Studio, Visual Studio code, Arduino IDE, Spyder, Jupyter notebook.
- **Programming:** Python, C#, HTML, Kotlin, XML