Ravia Bhullar

bhullarraviaci@gmail.com | www.linkedin.com/in/ravia-bhullar | bhullarravia.github.io

EDUCATION

Kent State University | Kent, OH **August 2025 - May 2029**

B.S. in Computer Science, Concentration in Data Engineering | GPA: 4.0/4.0

- **Relevant Coursework:** CS II - Data Structures & Abstraction (C++), Discrete Structures, Introduction to Database System Design (SQL), Calculus II, Applied Linear Algebra
- **Honors:** Amazon Future Engineer Scholarship, Honors Distinction Award, Choose Ohio First Computer Science Scholar

Nordonia High School | Macedonia, OH **August 2021 - May 2025**

High School Diploma | Weighted GPA: 4.6/4.0 | Unweighted GPA: 4.0/4.0

- **Relevant Coursework:** AP Computer Science A, AP Calc AB, AP Statistics, AP Computer Science Principles, AP Physics, AP Chemistry
- **Honors:** NCWIT Aspirations in Computing Ohio Affiliate Rising Star, AP Scholar with Distinction, AP Capstone Diploma, Seal of Biliteracy, National Honors Society

TECHNICAL SKILLS

Languages (ordered by proficiency): C++, Java, SQL, JavaScript, HTML/CSS, C, Swift
Tools and Frameworks: Visual Studio, Tableau, Git, Rstudio, Arduino

RELEVANT EXPERIENCE

Advanced Telerobotics Lab (ATR) | Kent, OH **Sep. 2025 - Present**

Undergraduate Researcher

- Collaborated on machine-to-machine learning research on object detection and information sharing
- Prepared and curated over 300 image datasets for a vision-language model that converted scene imagery into natural-language descriptions
- Document findings through regular technical reports and presentations

Kode With Klossy | Remote **May 2025 - Jul. 2025**

Data Science Instructional Leader

- Mentored 40+ high school scholars in learning SQL, data analysis, and Tableau concepts
- Assisted with debugging, project development, and technical questions
- Led small-group discussions and breakout sessions to reinforce curriculum topics and foster community
- Collaborated with lead instructors to create a supportive, inclusive, and engaging learning environment

Advanced Medical Robotics Lab | Kent, OH **Jun. 2023 - Jul. 2023**

Research Intern

- Collaborated on the design of a robotic orthosis to prevent occupational musculoskeletal disorders
- Programmed a microcontroller to detect hand-motion patterns and provide user feedback
- Developed electronic circuits and control systems to manage encoders and motors
- Reviewed research literature and delivered weekly presentations on project progress

PUBLICATIONS

Creative Artificial Intelligence: Exploring the Qualities of Popular AI Art Tools to Determine Effectiveness

The National High School Journal of Science, August 2024