**Rohan Kumar** 612-441-9725 |[kumar634@umn.edu](mailto:kumar634@umn.edu)|[LinkedIn](https://www.linkedin.com/in/rohankumar09) | [GitHub](https://github.com/rohankumar009)

**Education**

**University of Minnesota-Twin Cities Expected Spring 2026**

*Bachelor of Science in Computer Science and Data Science, Minor in Statistics Minneapolis, MN*

* **Coursework**: Data Structures & Algorithms, Software Development, Operating Systems, Database Systems, Machine Learning, Linear Algebra, Bioproducts & Biosystems Engineering, UI/UX Design, Human Computer Interaction
* **Activities:** ACM-W, Chess, Game Dev, Lettuce Club,

**Skills**

**Languages**: Python, Java, HTML/CSS, JavaScript, R, Node.js, Express.js, OCaml, SQL

**Frameworks**: Pandas, NumPy, Matplotlib, Scikit-learn, Junit, JavaFX, PyTorch, Pygame

**Development Tools**: Figma, MongoDB, Git, GitHub, Docker, Power BI, Unix/Linux, macOS, Windows, Qualtrics, Excel, Word

**Experience**

**Software Development & Data Structures Teaching Assistant Aug. 2023 - Present**

*University of Minnesota- Twin Cities, Department of Computer Science & Engineering Minneapolis, MN*

* Assisted the Professor to improve course materials from previous semesters’ feedback to ensure clarity on topics/projects/labs
* Troubleshooted issues in office hours & conducted lab sessions to guide students through debugging processes
* Mentored/taught Software Development & Data Structures to a class of 200+ students

**Bioproducts & Biosystems Engineering Teaching Assistant Aug. 2023 - Present**

*University of Minnesota- Twin Cities, College of Computer Science & Engineering Minneapolis, MN*

* Collaborated with the Professor to expand the course materials ensuring clarity on assignments/projects
* Provided weekly feedback to 250+ students to help grasp topics in Bioproducts & Biosystems Engineering

**Data Analyst Intern May 2022 – Aug. 2022**

*University of Minnesota- Twin Cities, Undergraduate Office of Admissions Minneapolis, MN*

* Utilized **Pandas** & **NumPy** to analyze student data by identifying similarities to relieve backlog/improve data accuracy by **90%**
* Collaborated with the admissions committee to engage with target demographics aimed to enhance student diversity
* Operated in scrum teams working alongside system administrators to address backlog of **200,000+** student records
* Presented data & project updates to team members based on student records supporting admission decisions

**Technical Projects**

**Climate Change Analysis** | *Java, JavaFX, JavaScript* **Feb. 2023 – May 2023**

* Developed a set of Java programs to scrape large datasets to analyze & visualize weather pattern probabilities
* Authored comprehensive documentation for program understanding & further development
* Yeh
* yeh

**Gopher Walk** | *Figma, Docker, GitHub, HTML, CSS* **Jan. 2024 – May 2024**

* Built a Mapping App aimed at enhancing **35,000+** user experiences by simulating optimal/intuitive U of M campus travel
* Conducted user research over a diverse group for comprehensive feedback via surveying (Google Forms, Qualtrics, & Interviews)
* Collaborated alongside 4 aspiring software engineers to iteratively integrate user feedback into design process via Agile Methods
* Utilized Figma & Docker as main software to streamline development ensuring design feasibilities

**Minerva** | *Google Maps API, JavaScript, Node.js, Express.js, HTML5, CSS3, Docker* **Jan. 2023 – Jan 2023**

* Designed & developed a full-stack web application alongside 3 members serving as Product Manager & Front-End Developer
* Utilized the MongoDB MERN stack to organize & manage user data based on interaction on the website

**Certifications**

* Oracle Cloud Data Management 2023 Foundations Associate (1Z0-1105-23)
* Oracle Cloud Infrastructure 2023 Foundations Associate (1Z0-1085-23)

**Professional Development**

**Association for Computing and Machinery Women Sept. 2022 – Present**

* Actively contributing to NSBE’s mission to advance representation for Black Engineers in STEM

**National Society of Black Engineers Sept. 2021 – Present**

* Active participant contributing to ACM-W’s mission to promote STEM education & foster an inclusive future for all in STEM

**Bell Museum – U of M Twin Cities Jun. 2018 – Present**

* Devoted time to volunteer at the Bell Museum, sharing knowledge on space exploration/interplanetary discoveries