Khush Manchanda

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Education

Arizona State University *Tempe, AZ*
Master of Science in Computer Science | GPA 4.0 *Expected May 2026*
Bachelor of Science in Computer Science | GPA 3.99 | Dean's List (All Semesters) *May 2025*

Experience

Graduate Services Assistant – Grader **January 2025 – Present**
SCAI, Ira A. Fulton Schools of Engineering, Arizona State University *Tempe, AZ*

- Evaluated assignments, quizzes, and projects for CSE 572: Data Mining—a graduate course with 120+ students—ensuring timely, constructive, and actionable feedback that bolstered student understanding.
- Collaborated with Professor Yanjie Fu to design and refine grading rubrics that ensured fair, consistent evaluations aligned with course learning outcomes.
- Proactively encouraged students to email for detailed discussions about their grades and improvements, offering tailored guidance and clarifying challenging concepts to enhance learning, increasing student grades by 15%.

Client Services Assistant Lead **August 2022 – May 2025**
International Students and Scholars Center, Arizona State University *Tempe, AZ*

- Led a team of 20 student workers in delivering timely support to over 10,000 international students, honing leadership and problem-solving skills essential for addressing diverse student challenges.
- Acted as the primary point of contact for immigration-related inquiries, offering clear, empathetic, and effective guidance to help students navigate complex policies and academic requirements.
- Collaborated with university departments to streamline support processes, ensuring that students received accurate information and personalized assistance—demonstrating adaptability and strong communication skills.

Undergraduate Teaching Assistant **August 2022 – May 2024**
Ira A. Fulton Schools of Engineering, Arizona State University *Tempe, AZ*

- CSE 110: Principles of Programming with Java (August 2022 – December 2022)
  - Assisted Professors Ryan Meuth and Philip Miller in teaching introductory programming concepts to 70+ first-year students, effectively easing their transition into college-level coursework.
  - Led weekly study hall and lab sessions, providing individualized guidance and troubleshooting to reinforce classroom learning.
- CSE 360: Introduction to Software Engineering (August 2023 – December 2023)
  - Collaborated with Professor Lynn Robert Carter on curriculum development for an upper-division course with 700+ students, enhancing instructional quality and student engagement.
  - Created and led interactive in-class activities that reinforced lecture content, promoted active learning, and improved comprehension of software engineering principles.
- CSE 335: Principles of Mobile App Development (January 2024 – May 2024)
  - Supported Professor Janaka Balasooriya in teaching Swift programming and mobile app development, emphasizing practical, hands-on coding exercises.
  - Held weekly office hours to assist students in debugging their assignments and homework, ensuring they understood concepts clearly and achieved improved grades.

Projects

SeedIT @HackSVB | *Python, JavaScript*

- Collaborated with a diverse team in an intense 48-hour hackathon, identifying team strengths and coordinating efforts to develop a machine learning–based startup success prediction model.
- Designed an interactive JavaScript dashboard, contributing to the project's win and demonstrating effective teamwork under pressure.

Technical Skills

Languages: MATLAB, Python, Go, Java, JavaScript, C++, HTML, CSS, MySQL, React, Flask, R, PHP, Swift, C#
Technologies/Frameworks: SciPy, NumPy, LaTeX, Next.js, Node.js, TensorFlow, PyTorch, RESTful APIs, Elasticsearch

Leadership / Extracurricular

President, Techno Sreshtha (IT Club) **May 2020 - April 2021**
President *DAV Public School*

- Designed and delivered hands-on technical workshops, training members in Python programming, Adobe Photoshop, and innovative problem-solving—cultivating a practical, active learning environment.
- Coordinated large-scale events and competitions with over 300 participants, showcasing strong team leadership, clear communication, and strategic event planning.
- Developed interactive instructional materials and dynamic lesson plans that promoted experiential learning, directly aligning with educational best practices in engineering and technology.