

Nandita Shetty

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Portfolio: <https://aspire2.org/nandita.html> | <https://github.com/nanditashetty857>

Education

Carroll Senior High School (August 2022-May 2026)

Southlake, TX

GPA: 105.13/100 Weighted

SAT: 1570, Math: 800

Completed relevant Coursework (AP Exam Scores): AP Computer Science A (5), AP Calculus AB (5), AP Pre-Calculus (5), AP Statistics (5), AP Biology (4), AP Physics 1 (4), AP U.S. History (5), AP Human Geography (5), AP World History (5), AP Spanish Language (5), AP English Language (5), Advanced Newspaper

Senior Year Coursework: Honors Computer Science 2, AP Calculus BC, AP Physics C: Mechanics, AP Physics C: Electricity & Magnetism, AP Chemistry, AP Macroeconomics, AP U.S. Government, AP English Literature

Independent Learning: Machine Learning (Girls Who Code), Data Science (Girls Who Code), Gloria Shields NSPA Media Workshop.

Technical Skills

- Programming Languages: Python, Java, JavaScript, SQL
 - Data Science & AI: Machine Learning, Statistical Analysis, Data Visualization
 - Cloud & Platforms: AWS, PostgreSQL, Jupyter Notebook, Tableau
 - Methodologies: Agile Development, User-Centered Design
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TECHNICAL EXPERIENCE

Researcher | Prof. Prakash Shrivastava, PhD

Clinical Professor, Naveen Jindal School of Management, University of Texas at Dallas

June 2025-Aug 2025 | 10 Hours per week, 20 Weeks per year

- Developed Python-based skills-matching application to facilitate immigrant job placement
- Implemented data scraping and analysis algorithms mapping 50+ immigrant occupations to high-growth U.S. careers using BLS data on jobs and IPUMS census data on immigrants
- Collaborated on algorithm logic design and result validation

- Developed Python application analyzing career transition pathways for immigrant workers utilizing pandas and data visualization libraries to present research findings

Technologies: Python, Pandas, Jupyter Notebook

Designer & Creator Aspire2.Org - AI-Powered Learning Platform for Immigrants

Nov 2024-Oct 2025 | 8 Hours per week, 10 Weeks per year

- Designed and built full-stack AI-driven learning platform aspire2.org supporting immigrant integration through U.S. citizenship prep, financial literacy, and career development
- Implemented generative AI tutoring system with personalized learning experiences using Anthropic Claude and Bedrock converse api, storing use interaction in DynamoDB.
- Developed responsive web design optimizing accessibility and user engagement across devices

Technologies: HTML/CSS, JavaScript, Typescript, Anthropic Claude Sonnet 3.5, AWS – S3, CloudFront, Route53, DynamoDB, Amplify, Lambda, Bedrock, PartyRock

Data & AI Intern | University of Texas at Austin Data2Insights Learning Program

Mentor: Sreekanth Bhagyanagar, Chief Enterprise Data Architect

July 2025-Oct 2025 | 2 Hours per week, 10 Weeks per year

- Completed intensive program covering data and AI concepts, digital ecosystems, data lifecycles, infrastructure, and decision-making applications
- Imported raw NYC traffic data, set up and ingested data into PostgreSQL database for capstone project
- Analyzed 100K+ crash records through complex SQL queries to identify safety patterns and trends
- Created comprehensive Tableau visualizations highlighting safety insights and recommendations

Technologies: PostgreSQL, SQL, Tableau

Technological Solutions Consultant | ASU AI Cloud Innovation Center powered by AWS

June 2025-Aug 2025 | 2 Hours per week, 10 Weeks per year

- Gained hands-on experience in cloud-based AI solution architecture through developer shadowing
- Participated in agile sprint planning and code review sessions for enterprise AI projects
- Studied AWS AI/ML services and their real-world applications
- Contributed to user story development and technical documentation

LEADERSHIP ACTIVITIES

Editor-in-Chief | The Dragon Tribune, Carroll Senior High School

Aug 2021-May 2026 | 6 Hours per week, 40 Weeks per year

- Manage and train 11-person staff, including 3 section editors
- Advise, edit, and publish ~20 articles per month
- Redesigned dragonmedia.org using SNO sites to improve accessibility and engagement

- Revived and designed print publication after hiatus
- Copy edit High School Yearbook 2024-25, 2025-26
- Lead team using project management methodologies and editorial workflows

Journalism Team Captain | Texas UIL 6A Academic Competition

Aug 2021-May 2026 | 3 Hours per week, 8 Weeks per year

- One of the 3 members to win Texas State UIL Journalism Champion Team (2024)
- State placements: 6th Place News Writing (2025), Headline Writing (2024)
- Regional placements: 3rd Place in Editing, News Writing, and Headline Writing
- District championships: 1st Place News Writing, Headline Writing, and Editing, 6th Place in Math Calculator Applications

State & National Competitor | Business Professionals of America

Aug 2023-May 2026 | 4 Hours per week, 10 Weeks per year

- **5th Place State** - User Experience Design Team: Designed integrated website, mobile app, and social media strategy (2025)
- **3rd Place State** - Meeting & Event Planning Concepts (2025), Advanced to National Competition in open events (2025)
- State qualifier in SQL (2025) and Personal Finance (2024)

Third Degree Black Belt & Legacy Trainee in Taekwondo | Southlake ATA

Aug 2017-May 2026 | 5 Hours per week, 50 Weeks per year

- Earned 3rd degree black belt through 8 years of dedicated training, demonstrating perseverance, discipline, and commitment to continuous improvement.
- Lead and instruct classes of 20+ students in martial arts techniques.
- Mentor junior students focusing on form correction and skill development.
- Demonstrate proficiency in advanced forms, weapons training, and competitive sparring.

Pianist | MusicMakers

Aug 2015-May 2026 | 3 Hours per week, 52 Weeks per year

- Over 10 years of dedicated piano study
- National Piano Guild membership through competitive audition
- Gold Medalist, Fort Worth Music Teachers Association (FWMTA) Theory competition
- Superior Plus rating, FWMTA Jazz Festival competitor

COMMUNITY LEADERSHIP

Naturalization Teacher & Job Workshop Leader | White's Chapel ELL Refugee Initiative

June 2024-May 2026 | 3 Hours per week, 36 Weeks per year

- **Teaching & Student Support:** Provided one-on-one reading support and created targeted vocabulary/pronunciation cards for home study. Helped 20+ adult learners build confidence and motivation through patient guidance and encouraging approach.

- **Curriculum Development:** Co-developed U.S. Naturalization class curriculum refined instructional slides, organized lesson plans, and designed midterm assessments to help 30+ adult learners navigate citizenship process complexities.
- **Job Skills Workshop:** Created and led 4 comprehensive [Job skills workshop](#), crafting lessons on resume building and job applications. Adapted materials based on feedback from adult education leaders to ensure relevance and accessibility.
- **Conversation Cafe Leadership:** Led supportive group discussions helping adult learners practice English through inclusive, community-building activities that made language learning rewarding.
- **Classroom Management:** Managed attendance and created inclusive learning environments where students and instructors felt supported and focused.

Math Tutor | Schoolhouse.world

June 2025-Aug 2025 | 3 Hours per week, 10 Weeks per year

- Lead virtual SAT Math Boot Camp sessions with groups of 6 students
- Provide tutoring across multiple subjects: algebra, geometry, precalculus, and calculus

Junior Board Member | Southlake Family Community Outreach

Nov 2021-May 2026 | 3 Hours per week, 40 Weeks per year

- Elected Junior board member to supervise volunteers at 6 major community events
- Serve at food banks, Feed Our Kids summer events, and House of Shine

HONORS & AWARDS

- National Merit Semifinalist (2024) - 224 index score
 - SAT Perfect Math Score - 800/800
 - National Honor Society (2024-2025)
 - National Technical Honor Society (2024-2025)
 - All State Journalism Staff (2023-2025) - 50+ competition points
 - Quill & Scroll International Honorary Society (2023-2025)
 - Gloria Shields NSPA Media Workshop Editorial Excellence Award (2025)
 - Student Representative selected by school faculty, Carroll ISD State of the District Presentation (2025/26)
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