AKSHAT JAIN

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EDUCATION

University of California, San Diego   **09/2021 – 06/2025**
***B.S. Computer Science**,* Major GPA: 3.85   *San Diego, CA*
- Courses: Data Structures + OOP, Computer Programming, SWE Tools, Discrete Math, Linear Algebra, Multivariable Calculus, C/Assembly, Statistics, Adv. Data Structures, Computation Theory, Software Engineering, Algorithm Design

SKILLS

- Programming Languages: Java, Python, JavaScript, C, C++, HTML, CSS, ARM-32 Assembly, MATLAB, R, LaTeX, Json
- Libraries/Frameworks: React, NodeJS, Tailwind CSS, REST API, AWS, Processing, OpenAI API, Slack API, OpenCV
- Tools: Git, GitHub, Junit Testing, Vercel, GitHub Pages, WordPress, Wix, Figma, Yarn, JavaDocs, VSCode
- Aspiring to get experience with: NextJS, TensorFlow, Flask API, Angular, Vue, React Native

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER INTERN @ Glean   **07/2023 – Present**
- Organized software architecture for ChatGPT plugin that accesses 4+ workspaces, defined POST behavior in YAML
- Co-managed team of 5 interns, prioritzing best code practices, efficiency, and aided interns in debugging/troubleshooting
- Directed Python to process 10+ queries from GPT-4, determine the API call for Slack, and parse relevant data for GPT
- Tuned GPT-4 model using 20+ instructions lines on generating queries for Python file based on user message
- Performed benchmarking plugin's 2 Slack API calls: channel.messages is more accurate 100% of time than search query

SOFTWARE ENGINEER INTERN @ SCIO Tech.   **06/2019 – 07/2019**
- Proposed exhaustive 20+ JUnit tests for Java methods of Chrome extension, validating API calls to ensure functionality
- Debugged with 4-5 JUnit tests per function by running, adjusting them, reporting failed tests, reducing error by 10-15%
- Documented effectively through JavaDoc generation, listing 3 descriptive factors for each test, peers found it descriptive

ADMINISTRATIVE INTERN @ SoFlo Tutoring LLC   **11/2020 – 02/2021**
- Utilized Java to aid in sorting 150+ SAT videos for optimal uploading to WordPress, saving over 50% more time
- Displayed 10+ SAT blog pages through WordPress, making 4 front-end changes to improve blog UI and readability
- Computed weekly finances for payment to 50+ tutors, pipelining data from Excel sheet to Java algorithm, different rates

PROJECTS & VOLUNTEERING (more projects linked above in portfolio)

Large Language Model Political Analysis   **08/2023 – Present**
- Designed software architecture for NodeJS system that provides an LLM-based analysis of a political speech to user
- Developed JavaScript file that extracts text link, performs web scraping for up-to-date information, conveys both the text and relevant internet information to Open AI's gpt-3.5-turbo model, receives analysis, and sends to front-end client
- Architectured internal REST API to handle 2-3 requests from client webapp for link query, hosted through AWS
- Innovated unique Python script that web scrapes article for 2 HTML tags, efficiently extracing 50+ links in one run

E-Business Website Competition   **01/2020 – 03/2020**
- Created e-shop website with 10+ pages, used HTML, CSS, JavaScript to code front-end, with 5+ animations per page

Netflix Algorithm   **03/2019 – 04/2019**
- FIRST PLACE in 150 student CS class for most accurate movie recommender, 84.5% accuracy for users without ratings
- Formulated Java, JUnit tests to accurately process 100+ past ratings and calculate review predictions for 1000+ users

TikTok Redesign Independent Project   **10/2022 – 11/2022**
- Prototyped low-fidelity feature change to TikTok, wireframed through Figma, for increasing target audience 25%

Middle Level Tutor Officer for FBLA   **06/2019 – 05/2020**
- Led meetings for and tutored business/technology skills to 2 sets of 40+ middle schoolers every week, created curriculum
- Mentored a group of 5 middle schoolers in becoming leaders, that led their own meetings and grew professionally

AWARDS & INTERESTS

- GOLD President's Volunteer Service Award Recipient, for 100+ Hours of consistently volunteering in one year
- Two-time 2nd Place for FIRST Robotics Regional Competition, using Python for robot's autonomous computer vision
- Interests: Experimenting with coffee, weightlifting, socializing, analyzing Christopher Nolan movies, drum and bass music