Anirudh Sunil

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Education

University of Illinois Urbana-Champaign — Urbana, IL
Bachelor of Science in Mathematics and Computer Science — *Dec. 2026*

- **Coursework**: Computer Architecture, Data Structures, Algorithms, Graph Theory, Probability and Statistics, Systems Programming, Programming Languages and Compilers

Skills

Programming Languages: C, C++, Python, Java, SQL, JavaScript, TypeScript, HTML, CSS
Tools and Frameworks: React, NextJS, NodeJS, LangChain, Keywords AI API, PostgreSQL, Redis, AWS, Kubernetes, Burp Suite, OWASP ZAP, DirBuster, Fusion360

Experience

Amazon — Sunnyvale, CA
Software Development Intern — *May 2026 – August 2026*

- Collaborating with the Amazon Stores team sports shopping page

University of Chicago — Remote
Research Assistant — *Jan. 2026 – May 2026*

- Improve scientific artifact discoverability and reproducibility for Trovi by discovering, evaluating, and integrating research artifacts
- Normalize metadata and write concise summaries to enhance data accessibility and utility
- Engage with authors, refine curation tools, and analyze coverage and trends to support the Chameleon project

National Center for Supercomputing Applications @ UIUC — Urbana, IL
Data Analyst Intern — *Aug. 2025 – Dec. 2025*

- Preprocessed geospatial and socioeconomic feature data for the Amazon in Brazil, enhancing data quality for analysis.
- Conducted data modeling, analysis, and predictive assessments to provide insights for decision-making processes.
- Created maps and other data visualizations with Python, facilitating better understanding of complex data sets.
- Assisted in the development, training, validation, and testing of machine learning algorithms, improving model accuracy.

Warmly, (YC S20) — San Francisco, CA
Software Engineer Intern — *Jun. 2025 – Aug. 2025*

- Implemented Salesflow email integration with TypeScript to optimize customer outreach by 87%.
- Integrated CRM system with React, Postgres, and SQL to simulate sales team interactions with Redis server for authentication, improving data management.

Prancer Enterprises — Remote
Software Engineer Intern - Cloud Security — *Jun. 2022 – Aug. 2022*

- Configured AWS S3 buckets to organize layout, improving data access efficiency by 130%.
- Reconfigured Kubernetes pods to optimize resource allocation, enhancing the performance of clusters and nodes.
- Established secure connections to regulate SQL databases, successfully preventing 10 injection attacks.
- Utilized Shift Left Security tools (Burp Suite, OWASP ZAP, DirBuster) to secure websites and reduce vulnerabilities.

Projects

Rankd | *NextJS, Tailwind CSS, Supabase* | Link

- Designed a web app that allows users to play a ranking game for companies and brainrot characters.
- Implemented ELO Ranking algorithm that updates leaderboard continuously; scaled to handle 150+ users.
- Updated security measures for POST requests in database and decreased request latency by 25%.

LLMJudge | *Firebase, TypeScript, Tailwind CSS* | Link

- Developed a web app that benchmarks prompts and LLM outputs based on length and tone.
- Evaluated Gemini 2.0 Flash output with Perplexity Sonar, R1-1776, and Llama 3 via API calls.
- Stored data for prior prompts and scores in CSV and visualized overall evaluation scores with bar charts.

StackSnap | *Python, JavaScript, HTML/CSS, LangChain, Keywords AI API* | Link

- Developed an interactive program visualizer that bridges the gap between static code and dynamic runtime analysis, allowing users to trace execution flow and inspect variable states line-by-line.
- Built a full-stack local environment with a Python server and a responsive web interface with a stack viewer and execution slider
- Integrated a context-aware AI assistant using LangChain and the Keywords AI API to provide intelligent, real-time debugging explanations based on the current program state.