KAUSHIK PULGARI

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EDUCATION

University of Illinois Urbana-Champaign Champaign, IL
B.S. Computer Science & Economics Aug 2021 - May 2025
Cumulative GPA: 3.98/4.00 | *Honors*: Phi Beta Kappa, Dean's List
Activities: HackIllinois, ACM, Asha for Education

WORK EXPERIENCE

Cohesity San Jose, CA
Software Engineer Intern May 2024 - Dec 2024

- Architected a Python microservice for scraping cluster data using BeautifulSoup and PostgreSQL (AWS RDS), enabling analysis of performance logs containing 15,000+ data points.
- Designed Grafana dashboard with 60+ customizable panels to visualize system performance metrics, reducing debugging time by 75%.
- Led four deployment cycles, maintaining robust version control and writing thorough documentation to streamline developer onboarding.

Charles Schwab St. Louis, MO
Software Engineer Intern Jun 2023 - Aug 2023

- Optimized user onboarding by refactoring ASP.NET & Angular.js webpages which supported 20,000+ users/minute during TDA-Schwab merger.
- Integrated new enterprise logging library into .NET Core APIs, reducing total log output by 37% and improving system performance.
- Created 12 unit tests using Moq library and Jasmine framework for frontend and backend validation, boosting overall code coverage.

Mortgage Connect Remote
Software Quality Assurance Intern Jun 2022 - Aug 2022

- Developed 30+ Selenium & TestNG automation scripts, cutting regression test execution time by 80%.
- Conducted comprehensive API testing by performing manual tests on 25+ endpoints using Postman, ensuring accurate data transfer between client and server.
- Enhanced test script quality and maintainability by implementing TestNG logging, annotations, and error handling, facilitating easier debugging and adhering to automation best practices.

PROJECTS

Modulo *Next.js, Firebase, Vertex API, shadcn*

- Built a global developer collaboration platform with task management, project roadmaps, and Gemini-powered AI chat, improving productivity for distributed teams.

IFI Terminal *Python, Conda, yFinance, Finnhub*

- Developed a real-time stock analysis terminal with 15+ key metrics for 3,000+ tickers, improving decision-making for traders.

SmartShopper *React.js, Flask, Supabase, Tailwind CSS*

- Engineered a full-stack grocery app with OpenAI-powered search, allowing users to query 140+ products using natural language.

SKILLS

Languages:	Python, JavaScript, Java, C/C++, SQL
Libraries & Frameworks:	React.js, Flask, Tailwind CSS, NumPy, pandas, Matplotlib
Developer Tools:	AWS (EC2, S3, RDS, Lambda), Docker, Grafana, Git, Postman
Project Management:	Jira, Azure Boards, Confluence, Agile (Scrum)