Chandan Prakash

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EDUCATION

Georgia Institute of Technology *Atlanta, GA*
Master of Science in Computer Science (GPA : 4.0) *Dec. 2025*

Indian Institute of Technology (IIT) *Mandi, India*
Bachelor of Technology in Computer Science *May 2022*

SKILLS

Programming and Frameworks: Python, Java, C++, JavaScript/TypeScript, React, Next.js, Node.js (Express), Dropwizard
Cloud and Infrastructure: AWS, Docker, Kubernetes, Terraform, Git, CI/CD pipelines, System design
Data and Visualization: MySQL, Postgres, MongoDB; Highcharts, D3.js; REST/GraphQL APIs; JUnit, PyTest

WORK EXPERIENCE

Goldman Sachs - Software Engineering Intern Dallas, TX | *Jun. 2025 - Aug. 2025*
- Designed and deployed an event-driven, compliance-validated tax-harvesting engine for Private Wealth Management, integrating Kafka to process 500+ models simultaneously and reduce client tax liabilities by X%.
- Developed a full-stack tax configuration platform (Java, MongoDB, React) with modular APIs, feature switches; adopted by team of 100+ traders, advisors and cutting peak-season manual processing by 100%.

Lead Software Developer - Internet Intelligence Lab, Georgia Tech Atlanta, GA | *Aug. 2024 - May 2025*
Advisors: Prof. Amanda Meng, Prof. Alberto Dainotti
- Refactored 50+ class-based components to function-based components with Redux state management, supporting modern CSS libraries and improving UI maintainability and responsiveness.
- Integrated 2 new network outage signals and Notion-based configuration updates into interactive dashboards using Highcharts and D3.js, delivering real-time visualizations that localized connectivity signals [**Report**]

Oracle Corporation - Software Engineer *Bengaluru, India | Jun. 2022 – Jul. 2024*
- Contributed code heavily to an SOP automation platform from concept to feature end to end; written REST APIs, data models, developed UIs; reducing Ops troubleshooting production issues time from weeks to hours.
- Built an automated log monitoring service that reduced manual troubleshooting adopted by team of 30+ engineering.
- Built an in-memory wrapper for workflow-as-a-service, enabling developers to test cloud-based workflows locally without deploying to the cloud and without affecting actual clusters enabling faster SOP development.
- Developed and managed 20+ RESTful APIs (Dropwizard, J2EE) powering multi-cloud services, with 80% unit test coverage; processed 5K+ daily requests with low-latency response times.
- Migrated frontend from Java FTL to React within a microservice architecture, boosting load speed by 40%.

Google Summer of Code - Open Source *Remote, India | May. 2021 – Aug. 2021*
- Developed a TypeScript React wrapper for p5.js, adding type support and compatibility for our use case, improving rendering performance by 25% in visualization-heavy applications. [**Report**]

PROJECTS

🔗 VISARA - Agentic LLM *Jan. 2023 – Jul. 2024*
- Built an AI software which generates reports for internet outages leveraging Llama offline for potential 500+ users.
- Engineered feature for user to review and edit reports, combining real-time outage data with contextual news, effectively functioning as a ChatGPT-style assistant for outage reporting.

🔗 equibid.io *Aug. 2024 – Sep. 2025*
- Built full-stack horse auction platform aggregating data from 10+ international auction houses using Flask, PostgreSQL, and Wasabi S3, automating data collection with Python web scrapers that reduced manual processing by 90%.
- Engineered 10+ modular scrapers (Selenium, BeautifulSoup) processing 2+ TB multimedia data with automated retry mechanisms, concurrent downloads, and 3-hour sync schedules achieving 99.9% uptime.
- Implemented enterprise authentication (TOTP/SMS 2FA via Twilio) with role-based access control and responsive admin dashboard managing real-time auction monitoring, video processing pipelines, and ML-enriched catalog visualization for 50+ users.