

ABHISHEK GOVINDARASU

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EDUCATION

University of California, San Diego

La Jolla, CA

Bachelors of Science in Computer Science, 3.81 / 4.0 GPA

- **Coursework:** Data Structures, Algorithm Design and Analysis, Operating Systems, Computer Security, Software Engineering, Machine Learning, Computer Vision, Database Systems and SQL, Compilers, Cryptography
- **Organizations:** Association for Computing Machinery, ACM Cyber, SDCTF 2024 Challenge Author

EXPERIENCE

ServiceNow Developer

La Jolla, CA

University of California, San Diego

December 2022 – Present

- Led seamless migration of 500k+ call records during Talkdesk integration refactor with zero production downtime.
- Developed a Python CLI tool to automate user role migration during Confluence Cloud transition, saving 400+ hours of manual work.
- Refactored Tririga integration, improving data retrieval performance by 70% through optimal API usage and algorithm enhancements.
- Created an Electron application for Kuali Build permission management simplifying administrative tasks using a GraphQL API.
- Optimized API integration with ServiceNow and third-party systems, reducing data processing times and improving system reliability.
- Implemented and customized DocuSign integration, automating document dispatch and improving document management workflows.
- Performed extensive testing and debugging of ServiceNow applications, improving stability and security across multiple modules.
- Worked with cross-departmental teams to develop forms and workflows in ServiceNow, streamlining processes for HR and Finance.
- Identified and resolved critical security vulnerabilities in our SNOW instance, including the ServiceNow Widget exploit.

Software Developer - AI Trainer

Remote

DataAnnotation

April 2023 – December 2023

- Validated outputs of multiple code focused LLM models for accuracy and security across code samples over various languages.

Service Desk Technician

La Jolla, CA

University of California, San Diego

August 2022 – December 2022

- Provided timely and effective technical support to end-users by troubleshooting hardware, software, and network issues.

ACTIVITIES

Capture The Flag

June 2022 – Present

- Competed in CTFs for 4+ years with a focus on web application security and code sandbox exploitation.
- Built integration pipelines with GitHub Workflows and Docker to automate containerization and deployment of CTF challenges.
- Reviewed hundreds of backend and frontend codebases across languages, including Python, JavaScript, Java, and Ruby.
- Designed and deployed scalable infrastructure for CTF challenges using Docker, GitHub Actions, and AWS.
- Led infrastructure development for L3akCTF 2024, managing multiple servers and ensuring secure and stable hosting for participants.
- Developed strong debugging skills, allowing rapid identification and exploitation of vulnerabilities in CTF challenges.

Security Research

- Discovered and reported [CVE-2023-41039](#), a sandbox escape vulnerability in the ZopeFoundation's RestrictedPython library.

PROJECTS

Secret (<https://secret.ahh.bet>)

August 2024

- Developed a web application for securely generating one-time links to sensitive text preventing exposure in message logs
- Utilized Hono and Cloudflare Edge workers for backend for speed and scalability
- Implemented Cloudflare D1 serverless database with Drizzle ORM for storage and API operations

What Notepad (<https://what.ahh.bet>)

April 2024

- Built a minimal and modern markdown notepad with local-first note storage for easy note taking online
- Implemented GitHub OAuth login for persistent note access across devices, automatically synced while working
- Utilized serverless PostgreSQL database to manage migrations and transactions for logged in users

Touchdown (<https://touchdown.life>)

August 2022

- Developed the touchdown.life website (web game), achieve 25,000+ unique users
- Automated web scrapping, parsing, and creation of player teammate datasets using custom Python script
- Implemented graph data structure and traversal algorithm in Javascript to model and generate daily games

SKILLS

- **Languages:** Python, JavaScript, TypeScript, HTML/CSS, Java, PHP, SQL, Go
- **Frameworks/Libraries:** Flask, React, NextJS, Express, PostgreSQL, SQLite, Angular.js, JDBC, GraphQL, JUnit, Jest
- **Tools:** Linux, Docker, Git, Github, Cloudflare, GCP, Redis, Kubernetes, Puppeteer, Grafana