Nidhishree Talastha

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EDUCATION

Purdue University   Fort Wayne, IN
Masters of Science, Computer Science   *May 2025*

Visvesvaraya Technological University   India
Bachelors of Science, Computer Science and Engineering   *August 2021*

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Typescript, Bash, SQL
Full Stack: React, WordPress, Node.js, Express, Flask, FastAPI, RestAPI
Developer Tools: Git, Docker, CI/CD, AWS, Google Cloud Platform, Kubernetes
Libraries: Pandas, PyTorch, NumPy, Matplotlib, Scikit-Learn, Jupyter, HuggingFace Transformers

EXPERIENCE

Security Engineer   August 2025 – Present
The Commoms XR   *San Diego, CA*

- Collaborate with cross-functional teams to build and optimize data pipelines and communication infrastructure across cloud-based services, enhancing reliability, scalability, and security. Design automate testing and deployment workflows, while debugging and improving microservice-based architectures for greater performance and supportability.

WordPress Administrator   July 2025 – August 2025
Translation Commons   *Foster City, CA*

- Designed and developed a Media Resources page on WordPress featuring categorized video sections with quick-access navigation buttons, improving content discoverability by including a search bar for efficient user experience.

Teaching Assistant   January 2025 – May 2025
Purdue University   *Fort Wayne, IN*

- Actively monitoring and grading weekly assignments and 16 weekly group sprints for 40 students, ensuring alignment with Agile and project management principles. Providing constructive feedback on rotating team-roles, improving team collaboration and sprint execution across 10+ project teams.

Data Engineer   April 2021 – July 2022
DaveAI   *India*

- Delivered chatbot and kiosk solutions for nationalized banks and automotive clients, which reduced branch-level queries by 40%. Built database schemas for digital signage. Built a multilingual Covid-19 WhatsApp bot (500+ users), developed an image-tagging tool for number plate recognition Machine Learning Model, and mentored 10-15 interns with onboarding resources, cutting ramp-up time by 50%.

Security Engineer   December 2020 – April 2021
Klaritree   *India*

- Configured access management for developers, improved secure remote access, and reduced unauthorized access incidents by 60%. Conducted network and system scans using Nmap across 3+ environments, identified and helped resolve 2 critical vulnerabilities to strengthen security posture

PROJECTS

Adversarial Attacks on NLP Models   January 2025 – May 2025

- Developed and stress-tested high-performing sentiment classifiers by fine-tuning BERT models and implementing adversarial attack strategies, achieving approx.85% accuracy and approx.99% attack success rate.

DevAssistAI   September 2024 – January 2025

- Built a VS Code extension enabling real-time code suggestions, error debugging, and prompt-based file operations by integrating agentic LLM behavior with chain-of-thought reasoning.