Siddhant Joshi

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EDUCATION

Carnegie Mellon University May 2027

M.S. in Artificial Intelligence & Innovation *Pittsburgh, PA*

- Coursework: Data structures and algorithms, Natural Language Processing (NLP), Reinforcement Learning (RL)
- Activities: Claude Builder Club, Carnegie AI Safety Initiative, Swartz Center for Entrepreneurship

University of California, San Diego (UCSD) Dec. 2024

B.S. in Cognitive Science - Machine Learning and Neural Computation, Summa cum Laude *La Jolla, CA*

- Coursework: Machine Learning, Deep Learning, Generative AI, Business Analytics, Data Science
- Activities: Data Science Students Society, Triton Gaming, Phi Sigma Pi Honors Fraternity

SKILLS

Programming Languages: Python, R, SQL, C, Java, JavaScript, HTML/CSS, LaTeX

IDE/Tools: Anaconda, Tableau, G-Suite, MS Office, Git, Jupyter, RStudio, VSCode, Linux, Docker, Kubernetes, Claude Code

Awards/Certifications: James R. Swartz Entrepreneurial Fellow, Undergraduate Excellence in Teaching Award, Google Data Analytics Professional Certificate, California State Seal of Biliteracy (Spanish), Eagle Scout (Scouts of America)

EXPERIENCE

Ericsson *Plano, TX*

Integration Engineer Feb. 2025 – Jul. 2025

AI/ML Service Engineer Intern Jun. 2024 – Sept. 2024

- Developed a time series forecasting model achieving less than 10% error for predictions on traffic data across customer data centers, thereby improving predictive analytics capabilities
- Built an ensemble network anomaly detection system using LSTM autoencoders, correlation analysis, and LogBERT, reducing issue identification time by 96% and becoming the first AI use-case approved by a customer
- Architected a scalable local testing environment for key applications using Kubernetes, Docker, and Ansible automation, enabling efficient CI/CD validation and system integration across distributed data center environments
- Led and mentored a team of 4 interns across worksites to deliver multiple projects, including an intelligent GenAI orchestrator that automated testing workflows for core applications
- Drove organization-wide adoption of AI tooling and agentic workflow tools, enabling teams to experiment with and integrate automation into daily work, and improve efficiency at scale

UCSD Dept. of Cognitive Science *La Jolla, CA*

Instructional Assistant Sept. 2023 – Dec. 2024

- Delivered 4 lectures introducing supervised and unsupervised machine learning techniques and ethics
- Mentored and offered hands-on guidance to 700+ students on Python assignments and data science projects

San Diego Supercomputer Center *La Jolla, CA*

Machine Learning Engineer Intern Feb. 2024 – Dec. 2024

- Developed and delivered comprehensive research tutorials for researchers with effective prompt engineering practices to optimize Copilot, ChatGPT, Gemini, LLAMA 3.0, and other LLMs
- Generated research tutorials for single- and multi-GPU resource management when using PyTorch Lightning and Tensorflow for fine-tuning and feature extraction of deep learning applications

Nokia Corporation *Sunnyvale, CA*

Platform Engineer Intern Jun. 2023 – Aug. 2023

- Spearheaded solution designing and implementation of a router topology editor in Python, creating custom tools and scripts to facilitate editor configuration management, error tracking, and intuitive platform design

PROJECTS

Forefront Health Advisors (Corporate Startup Lab, CMU) Aug. 2025 – Present

- Leading an interdisciplinary team in partnership with concierge medicine practice to prototype end-to-end AI-driven healthcare solutions, guiding product design, technical strategy, and business validation

Interpretable Neural Style Transfer (UCSD) Jan. 2024 – Mar. 2024

- Developed and optimized a VGG-19-based Neural Style Transfer architecture, enhancing interpretability and reducing total loss via ReLU feature extraction, random style shifting, and adaptive initialization