Pranay Shah

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EXPERIENCE

Meta Platforms, Inc. — Menlo Park, CA
***Software Engineer** - ML Infrastructure, Human Review for Business Integrity* — *Mar. 2024 – Present*
- Building custom machine learning model integration within data-labeling platform to enable automated labeling
- Experimenting using LLMs to enhance human labeling accuracy, consistency, and speed for content moderation

Cruise LLC — Bellevue, WA
***Software Engineer Intern** - Infrastructure, Developer Productivity* — *May 2023 – Aug. 2023*
- Drove reduction in config issues for 900+ devs via Golang diagnostic application for tool unifying internal services
- Launched multi-platform repair mechanism to reduce 4 months of engineering hours spent on annual support

Fidelity Investments — Westlake, TX
***Software Engineer Intern** - Infrastructure, Cloud Infrastructure* — *Jun. 2022 – Aug. 2022*
- Automated migration of 1068 apps from old (Jenkins/uDeploy/Concourse) to new infra (Jenkins Core/Terraform)
- Reduced migration onboarding from 4-6 weeks to 1-3 days using Step Function/DynamoDB/Lambda/CloudWatch
- Integrated Datadog into state machine to upload 167 products & 937 apps onto Datadog for logging and telemetry
- Tracked 25 metrics for senior leadership showing migration status & economic impact, using DynamoDB/Lambda
- Deployed Terraform-based infrastructure to development & live environments using Jenkins Core CI/CD pipelines

Odynn (Wharton Venture '21) — New York, NY
***Software Engineer Intern** - Product Engineering* — *Jun. 2021 – Aug. 2021*
- Eliminated 100+ hours of manual effort annually by updating MongoDB credit card database using scraped data
- Reduced integration delay from 1 week to 1 day by creating automated pipeline to notify developers of card issues
- Ran situational tests on hotel & flight data using Behave test framework to test & optimize algorithm suggestions
- Prevented credential exposure upon deployment using configuration file, storing sensitive login & email information

University of Texas at Austin — Austin, TX
***Research Assistant** - Learning Agents Research Group* — *Jun. 2020 – Dec. 2020*
- Optimized path-planning algorithm for high-dimensional robotic arms by leveraging convolutional neural networks
- Generated 10,000 workspaces & configuration spaces by engineering robotic arm graphical simulator using Python
- Implemented A* path-planning algorithm for robotic arms with 2 & 3 dimensions to generate model training data
- Leveraged Matplotlib & NumPy as well as OMPL API & Klamp't API for arm simulation & workspace generation

EDUCATION

University of Illinois Urbana-Champaign — December 2025
Master of Computer Science, GPA: 4.0/4.0

Georgia Institute of Technology — Atlanta, GA — December 2023
Bachelor of Science in Computer Science, GPA: 3.94/4.0 — *Dean's List, Faculty Honors*

PROJECTS

Scholastician — Virtual Tutor Matching Hub | *React.js, Node.js, Express.js, SQL, Git*
- Impacted 250+ students during the pandemic by developing full-stack web app to pair students and tutors for free
- Expanded service to 5 states across the US by streamlining user registration & introducing automated notifications
- Awarded Congressional Commendation from TX-03 Rep. for outstanding community impact within DFW area

QuickTrack — Inventory Management System | *React.js, Node.js, Express.js, SQL, Git*
- Created inventory management system to quickly help employees track and update business products & processes
- Led and managed 3 developers to create a full-stack web app using SQL and Node.js serving REST API

TECHNICAL SKILLS

Languages & Frameworks: Python, Golang, Java, JavaScript, Node.js, Express.js, React.js
Developer Tools: Git, Amazon Web Services (Lambda, DynamoDB, Step Functions, CloudWatch), Artifactory, Postman, Datadog, DevOps, Agile