Vaishnavi Suresh

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EDUCATION

New York University, Leonard N. Stern School of Business   **New York, NY**
B.A. in Computer Science, B.S. in Finance   *Sep 2022 – May 2026*
- **GPA:** 3.8/4.0 (Dean's List 2022-2024)
- **Relevant Coursework:** Intro to Robotics, Natural Language Processing, OS and Data Structures, Linear Algebra, Software Engineering

PROFESSIONAL EXPERIENCE

Pave Finance   **New York, NY**
Product Management Intern   *Sep 2025 – Dec 2025*
- Owned problem scoping and requirements development from initial audit through design /engineering handoff for 4+ admin tools
- Translated operational needs into implementation-ready specifications through detailed PRDs, system flows, user flows, and mockups
- Partnered cross-functionally with design, engineering, and sales teams to align on scope, constraints, and edge cases across workflows
- Successfully handed off products to design and **engineering**, supporting implementation and resolving open questions during development

FT Partners   **New York, NY**
Summer Analyst   *Jun 2025 – Aug 2025*
- Supported **2+** live sell-side M&A deals in the payments and crypto space by performing data analysis and creating marketing materials
- Produced diligence materials such as confidential information memorandums (CIMs), financial presentations, and governance overviews
- Calculated historical unit economics metrics and cohort analysis of a company facilitating over $3 B in transaction volume

Recove LLC   **Cupertino, CA**
Co-Founder   *Jun 2020 – Jan 2023*
- Built a Flutter-based mobile application with a cloud-hosted backend to deliver CBT digital therapy for adolescents with eating disorders
- Conducted 30+ user interviews to inform product requirements, system and user flows, wireframes, and a fully functional prototype
- Defined the go-to-market strategy, conducted competitive analysis, and applied feedback from mentors through NYU's Startup Bootcamp
- Prepared pro forma income statements and competitive analysis and pitched the startup to 10+ stakeholders and potential investors

PROJECTS

Task Manager Mobile App
- Implemented an Android mobile application using Flutter and a PosgreSQL backend hosted on Supabase for task and list management
- Developed an Express server and implemented a CRUD API to interact with the backend, allowing users to create and manage tasks
- Designed wireframes and product requirements using customer interviews to develop an optimal UI/UX for task managing workflows

Movie Recommendation Chatbot
- Created a web app with a chatbot that suggests movie recommendations based on user input and allows users to save and rate films
- Used MongoDB to store movie and user data and developed Flask servers to expose CRUD operations to the frontend
- Integrated Vertex AI to create a chatbot and created a RAG pipeline using Weaviate and an open-source database of movie descriptions
- Containerized and deployed the application using Docker on a DigitalOcean droplet, receiving positive feedback from 50+ test users

2024 US Election News Keyword Extraction Model
- Isolated key colloquial terms in news articles covering the US presidential election using a proprietary NLP model for keyword extraction
- Collected training and test data sets by using NewsAPI and Selenium to scrape and preprocess 50+ articles from reputable news sources
- Extracted keywords by using YAKE to identify a pool of potential terms and Word2Vec to rank them according to cosine similarity

ResNet-101 For Art Classification
- Created and trained a ResNet-101 convolutional neural network using PyTorch to classify 8,000+ classical artworks based on genre
- Preprocessed and structured 8,000+ art images for model training, leveraging AWS EC2 for scalable training and evaluation
- Achieved a 97% accuracy and 0.09 cross-entropy loss, validating the hypothesis that a ResNet-101 is effective for art classification

Package Installation Command Line Tool
- Built a command line tool to automatically download packages using Homebrew based on user-generated project requirements
- Integrated and prompted Ollama's GPT open source model to generate a list of packages to install based on natural language inputs
- Used Poetry and a Ruby gem wrapper to package the application for deployment, allowing for easy installation and deployment

EXTRACURRICULAR AND LEADERSHIP ACTIVITIES

NYU Strategic Venture Society   **New York, NY**
Post Mentorship Lead   *Sep 2025 - Present*
- Worked on Pro-Bono industry research and sourcing for VC and growth equity firms, including Vesey Ventures and General Atlantic

SKILLS & INTERESTS

Skills and Languages: Backend: Python, JS, Java, Node.js, Express.js, SQL (PostgreSQL) | Frontend: HTML, Dart, React.js | Tools: Git
Interests: Solo Travel, Running, Art History, Reading, House Music, Crochet, Field Hockey, Volunteering (God's Love We Deliver), Guitar