

Pranathi Chinthalapani

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Technical Skills

Languages: Java, Python, HTML, CSS, Javascript

Technologies + Libraries: React, Flask, TensorFlow, PyTorch, Node.js, Pandas, NumPy, MongoDB

Certifications: AutoCAD, International Baccalaureate

Other: Microsoft Office, Excel, Figma, PowerPoint, Financial Modeling, Agile, Data analysis, Slack

Education

New York University

Expected May 2026

Computer Science and Economics (GPA: 3.8 / 4.0)

New York, New York

- **Relevant Coursework:** Data Structures (Java), , Intro to CS (Python and Java), Linear Algebra, Discrete Math, Calc I-III, Algorithms (self-learning)

Experience

Makase - Early Stage Startup

April 2024 – Current

SWE Intern

San Diego, California

- Increased data integrity and consistency by setting up comprehensive constraints, triggers, and foreign keys in PostgreSQL, reducing data anomalies by 45%
- Reduced data integration time by 25% by automating ETL processes using Supabase Functions and integrating seamlessly with Appsmith for front-end data handling.
- Researched and integrated advanced artificial intelligence techniques such as transfer learning with a pre-trained model (e.g., GPT-4o), few-shot learning, and zero-shot learning to enhance the LLM's capabilities

Black Knight Financial Services (NYSE: BKI)

June 2023 – August 2023

Technology Product Management Intern

Jacksonville, Florida

- Accomplished an increase in data accuracy as shown by a 2% reduction in data discrepancies, by effectively gathering and updating client data for 10 customers using CITRIX, maintaining up-to-date documentation.
- Improved deployment frequency by 20% by introducing CI/CD pipelines using Jenkins and Docker, automating build, test, and deployment processes for increased efficiency and reliability.
- Aided in expediting the home mortgage process by efficiently managing the documentation and verification aspects. Completed 100% of a Mortgage Bankers Association course on a Black Knight product, EMPOWER, and the home mortgage system

Projects

V2 Google Gemini Clone | Gemini 1.5 Flash Model, React, HTML, CSS, JS

- Optimized application performance by leveraging React components, reducing load times by 30% and improved overall responsiveness than V1.
- Demonstrated proficiency in Git version control and GitHub workflows, maintaining a clean and organized repository with frequent commits and meaningful pull request reviews.
- Developed and deployed a functional UI clone of Google Gemini, a complex advertising platform, achieving fidelity in design and user interaction as demonstrated in the GitHub repository.

Stoquette - GeorgiaTech Datathon | MongoDB, Python, HTML,CSS, JS, Flask

- Spearheaded the development and implementation of Stoquette, a dynamic web application integrating APIs to provide real-time stock data and sentiment analysis tools, using machine learning, for novice investors
- Architected Stoquette's frontend and backend infrastructure, utilizing MongoDB to efficiently manage vast datasets, ensuring scalability and reliability to support data-driven decision-making processes in the ever-evolving stock market landscape.

Machine Learning Visualization Tool | Python, Pandas, Matplotlib, Numpy

- Implemented the K-Means algorithm to analyze and visualize data points, illustrating the clustering process through interactive visualizations and Voronoi diagrams.
- Investigated various initialization strategies for K-Means centroids, including random selection, "farthest" heuristic, and K-Means++, evaluating their impact on clustering accuracy and convergence.