

# PRANAM PRAKASH SHETTY

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## Education

### Rochester Institute of Technology

*Masters of Science in Data Science; CGPA: 3.85*

Rochester, NY

Aug. 2023 - Dec. 2025

### Symbiosis Skills and Professional University

*Associate in Data Science; CGPA: 3.828*

Pune, India

July 2022 - June 2023

### K.K Wagh Arts Commerce Science and Computer Science College

*Bachelors of Science in Computer Science; CGPA: 3.736*

Nashik, India

Aug. 2019 - May 2022

## Technical Skills

**Languages:** Python, CUDA, SQL, NoSQL, R, Java, C++, JavaScript, TypeScript, HTML, CSS, PHP  
**Technologies/Frameworks:** Node.js, React, Flask, Supabase, Docker, Kubernetes, AWS (EC2, Lambda, SageMaker), Google Cloud Console, CRM software, Digital advertising platforms, ETL, SEO tools  
**Libraries:** Pandas, NumPy, PyTorch, TensorFlow, Keras, scikit-learn, Plotly, Dash, openCV2, LangChain, FinBERT, OpenAI API, crewAI, pytesseract, BeautifulSoup, emailpy  
**Tools:** Git, GitHub, Jira, Jenkins, Heroku, PowerBI, Jupyter Notebooks, Google Analytics, Email software  
**Soft Skills:** Agile Methodologies (Scrum), Team Leadership, Effective Communication, Problem Solving, Decision-Making

## Certifications

### Oracle Cloud Infrastructure 2024 Generative AI Certified Professional

July 2024

### Oracle AI Vector Search Certified Professional

Feb 2025

## Experience

### Machine Learning Engineer Intern

June – Aug 2023

*Marva.ai*

*Pune, India*

- Boosted stock prediction accuracy by 15% using NLP techniques with FinBERT for sentiment analysis for more improved contextual understanding
- Enhanced buy/sell signal reliability by 20% through Ichimoku Cloud strategy implementation from scratch.
- Reduced mean absolute error by 25% in LSTM models via hyperparameter tuning and cross-validation.
- Developed 5+ real-time interactive dashboards and intuitive UX/UI design, increasing user engagement

### Machine Learning Research Intern

Sep – Nov 2021

*Knowledge Solutions India*

*Mumbai, India*

- Engineered ML pipeline processing over 500,000 insurance claims, improving cost prediction accuracy by 18%.
- Reduced prediction errors by 22% using XGBoost and Random Forest models.
- Accelerated data processing using PySpark to efficiently clean and analyze 2TB of historical claims data, enabling faster decision-making
- Created interactive PowerBI dashboards and custom evaluation metrics, enhancing data-driven decision-making capabilities and enabling stakeholders to visualize complex data trends.

### Sales Intern

Feb – March 2020

*Laugh Out Loud Ventures*

*Nashik, India*

- Boosted course sales by 25% through innovative digital advertising strategies during the pandemic, utilizing AI-powered marketing tools to target key demographics.
- Executed multiple targeted digital marketing campaigns and refining them resulting in around 30% increase in ROI.

## Projects

### Job Trail | *Next.js, Node.js, Vercel, Google Cloud Console, Gmail API, OpenAI API*

September 2024

- chromium extension using full stack to construct an efficient, scalable email categorization system with over 10 categories for automatically structuring job-related emails, allowing users to track applications more effectively
- Improved data extraction accuracy, particularly from emails with intricate DOM elements like LinkedIn and Amazon job responses, by opting for Google's API. This resolved prior challenges with traditional extraction tools and increased categorization precision.

### Eventful Mongoers | *Python, Javascript, Flask, MongoDB, AJAX, HTML, CSS, Mapbox*

Dec 2023

- Developed an interactive event search web application using a large NYC Parks dataset, MongoDB for efficient data storage and retrieval, and Mapbox for dynamic geospatial event mapping.
- Implemented optimized asynchronous functions to manage and load 37.5k+ images in MongoDB's GridFS, preventing VM crashes by setting thread limits and ensuring stable performance with high data volumes.
- Achieved efficient data loading for 270k+ records and improving page load and query response times with MongoDB's bulk operations and asynchronous JavaScript functions