

# Namratha Peddamalla

📍 Chicago    ✉ namrathapeddamalla@gmail.com    ☎ 872-275-6981    in Namratha P    🌐 Namratha P

## Education

### DePaul University

Mar 2025

MS in Information Sciences

- GPA: 3.8/4.0
- **Coursework:** IT Project Management, Database Design, Cloud Computing, Programming with Python

## Projects

### GEN-AI-PitchPal - *Startup Pitch Builder*

🌐 | Apr 2025 [↗](#)

- Converted 20K-word briefs into slide decks with Gemini, LangChain and FAISS, cutting prep time by 95%.
- Automated slide creation with Notion API and python-pptx, reducing manual effort by 90%.
- Generated elevator pitches, nine-slide outlines and investor links with RAG, reducing manual edits by 70%.
- Engineered a Gemini Q&A simulator to produce three Q&A pairs, uncovering 80% of narrative gaps.
- Scaled deck production from 1 to 20 per day, doubling weekly investor meetings.

### ResumeScan - *AI Powered Resume Analyzer*

🌐 | Feb 2025 [↗](#)

- Developed an AI resume analyzer, increasing ATS compatibility and application success rates by 30%.
- Trained ML models on 1 million job descriptions, achieving 65% accuracy in skill-experience matching.
- Applied Natural Language Processing(NLP) to optimize keyword usage, improving resume visibility by 25%.
- Engineered an auto-suggestion tool for skills and keywords, increasing job match rates by 20%.
- Created an interactive resume editor with real-time feedback, reducing preparation time by 40%.

### Debug AI - *AI Code Debugger*

🌐 | Dec 2024 [↗](#)

- Built an AI debugger using Llama, reducing debugging time by 40% and improving code quality by 30%.
- Integrated performance and security checks, identifying bottlenecks and vulnerabilities with 85% accuracy.
- Designed advanced debugging suggestions with root cause analysis, improving developer efficiency by 20%.
- Automated unit test generation, ensuring comprehensive test coverage and reducing regression risks by 30%.
- Enabled multi-language support and IDE integration, increasing developer productivity by 25%.

### Pic Match AI - *Image Search And Recognition System*

🌐 | Sept 2024 [↗](#)

- Created an AI image search system, improving search accuracy by 25% using deep learning models.
- Accelerated image processing by 40%, ensuring real-time search with seamless user experience.
- Improved product discovery by 30% in e-commerce, enhancing user engagement and conversion rates.
- Reduced manual search effort by 50% through AI-driven automation, increasing efficiency.
- Expanded application reach, supporting multiple industries like retail, interior design, and social media.

## Skills

**Languages and frameworks:** Python, Java, C, C++, R, HTML, CSS, Javascript, Node.js, Typescript, OOP, REST API, LLMs, System Design, React.js, Unit test, Pytest, Agile, Scrum, CI/CD, Cloud(GCP), Windows

**Databases & Tools:** SQL, MySQL, NoSQL, Git, Excel, Jupyter Notebooks

**Data Science:** ETL, Statistical Analysis, Power BI, Tableau, TensorFlow, PyTorch, scikit-learn

## Certifications

Career Essentials in Data Analysis - Microsoft and LinkedIn

Mar 2025

5 day Gen AI Intensive - Kaggle

Apr 2025