

# PRINCE PUDASAINI

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Linkedin | github | <https://letterlab.pro/>

## EDUCATION:

**McNeese State University** | Lake Charles, LA

BS. Computer Science - AI Concentration | Expected: 2028

- Current Status: Sophomore

## TECHNICAL SKILL:

- **Languages:** JavaScript (ES6+), HTML 5, CSS3, Java, Python, SQL (SSMS)
- **Frontend:** React.js (Vite), Material UI (MUI), Tailwind CSS, Responsive Design
- **Backend:** [Node.js](#), [Express.js](#), RESTful APIs, Google OAuth 2.0
- **Database & Cloud:** MongoDB, Vercel (CI/CD), Git/GitHub

## PROFESSIONAL EXPERIENCE:

[LetterLab.pro](#) | **Founder & Lead Full Stack Engineer** | 2025 - Present:

Solo developed a production-grade AI email agent for university students to automate high-stakes academic outreach.

- **Full Stack SPA Architecture:** Architected a multi-route Single Page Application (SPA) using React (Vite), managing complex state across “Compose,” “Analytics,” and “Account” modules without page reload.
- **Microsoft Graph & OAuth:** Engineered a dual-authentication system integrating Google OAuth and Microsoft Graph API to securely read/write emails and sync Outlook thread history for context-aware replies.
- **Interactive UI & Visualization:** Designed a responsive interface using Material UI and Tailwind CSS, utilizing Framer Motion to fluid entrance animations and Data Visualization libraries to render real-time usage analytics for users.
- **CRUD & Database Management:** Built a MongoDB schema to manage a persistent “Professor Address Book” and “Endorsement System” allowing users to store contact details and generate dynamic outreach templates.
- **AI and Backend Logic:** Developed a [Node.js/Express](#) backend to route prompts between Gemini 2.0 and GPT 4o, optimizing latency for real-time draft generation.

**AITC International** | **Digital Strategist & Team Lead** | **Bhaktapur, Nepal** | 2022-2023

- **Team Leadership:** Supervised and trained a team of 2 junior interns on data entry protocols and CMS management, enduring 100% data accuracy for deliverables.
- **Data Analytics:** Managed SEO performance tracking using Google Analytics, and User Experience through Google Search Console and increased organic reach by 42%.
- **Technical Operations:** Oversaw the technical implementation of SEO schemas and meta-data, coordinating with development teams to resolve indexing errors.

## PROJECTS:

**Python Data & ML Utilities** | **Developer** | 2024

Developed a suite of python scripts to automate data processing and explore NLP concepts.

- **Sentiment Analysis CLI:** Built a command line tool using Hugging Face Transformers (DistilBERT) to perform real-time sentiment scoring on text streams with high confidence intervals.
- **Stock Data Visualizer:** Created a financial analysis script using Pandas and Matplotlib to fetch and visualize historical stock trends from public APIs.
- **Translation bot:** Implemented a multi-language translation utility leveraging external APIs for rapid text processing and string manipulation.

## CERTIFICATION:

**IBM Python for Data Science:** Demonstrated proficiency in python libraries (Pandas, NumPy) and data manipulation techniques.