

# KUNAL HEMANT PASAD

60 Paterson St, New Brunswick, NJ 08901

📞 848-391-7620 ✉️ [kunalpasad6523@gmail.com](mailto:kunalpasad6523@gmail.com) 🌐 [Website](#) [LinkedIn](#) [Github](#)

## Education

**Rutgers, the State University of New Jersey, New Brunswick, United States** **Expected: May 2027**  
*Master of Science in Computer Science* *GPA: 3.83/4.0*

**Sardar Patel Institute of Technology, Mumbai, India** **Dec 2021 – May 2025**  
*Bachelor of Technology in Computer Engineering* *GPA: 8.62/10*

## Professional Experience

**EternIQ** **Jan 2025 – May 2025**  
*Software Engineer Intern* *Mumbai, India*

- Worked on an AI-powered conversational web platform delivering optimized and structured solution explanations
- Developed and enhanced backend services to support AI-driven workflows, request handling, and response orchestration
- Built and refined frontend components to improve usability, interaction flow, and response readability
- Integrated REST APIs to connect frontend interfaces with backend inference and processing layers
- Collaborated closely with designers and engineers to debug issues, improve performance, and ship production-ready features

**Mukesoftware IT Consultants** **Jul 2023 – Feb 2024**  
*Full Stack Web Developer Intern* *Mumbai, India*

- Developed and maintained production-grade web applications using Laravel and CodeIgniter in a multi-client environment
- Implemented RESTful APIs and backend business logic supporting authentication, CRUD operations and role-based access
- Optimized SQL queries and database schemas, improving response times and system reliability
- Built reusable frontend components and improved form validation, error handling and overall user experience
- Collaborated with cross-functional teams to debug, deploy and deliver scalable features to production

## Projects

**MindSync – AI Mental Wellness Platform** | *React, Node.js, REST APIs* **Nov 2025**  

- Built a full-stack web application that analyzes user inputs to generate personalized mental health insights
- Implemented RESTful APIs using Node.js and integrated ML-based reasoning pipelines
- Designed responsive frontend components and optimized backend workflows for low-latency responses

**MarketInsight-AI – Financial Analysis System** | *Python, Machine Learning, Data Processing* **Jul 2025**  

- Developed a data-driven system to analyze market trends and generate actionable insights
- Implemented data preprocessing, feature engineering, and model evaluation pipelines in Python

**Deepfake Guard – Audio Deepfake Detection** | *Python, CNNs, REST APIs* **Apr 2025**  

- Engineered an ML pipeline using CNNs and MFCC features to detect synthetic speech
- Built modular training, evaluation, and inference components for reproducibility

**DeliciousBytes – Food Delivery Platform** | *Flutter, Laravel, MySQL* **Dec 2024**  

- Built a full-stack food delivery application using Flutter, Laravel, and MySQL
- Designed REST APIs supporting authentication, order management, and real-time updates
- Optimized database schema and reduced API response time through caching and indexing

## Technical Skills

**Languages:** Python, C++, JavaScript, SQL

**Frameworks:** React, Node.js, Flask, Laravel, CodeIgniter

**Databases:** MySQL, MongoDB, Firebase

**Concepts:** Data Structures, REST APIs, MVC Architecture, System Design, CI/CD

## Courses and Certifications

**NPTEL – Natural Language Processing** **Apr 2024**  
*Indian Institute of Technology Kharagpur*

**NPTEL – Data Analytics with Python** **Apr 2024**  
*Indian Institute of Technology Roorkee*

**Coursera – Deep Learning Specialization** **Apr 2024**  
*DeepLearning.AI*