

Prashant Kumar

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Professional Summary:

- Dynamic and results-driven Python Engineer with over years of comprehensive expertise in crafting and implementing innovative, scalable solutions across multiple industries. Demonstrated expertise in **Natural Language Processing (NLP)** engineering, with experience in developing and deploying advanced NLP models and solutions. **Skilled in building and fine-tuning Generative AI models**, including GPT, BERT, and other transformer-based architectures, for tasks such as sentiment analysis, text summarization, and chatbots.
- **Implemented machine learning pipelines** and automated data workflows using Python frameworks like Scikit-learn, Tensor Flow, and PyTorch. Extensive experience in **RESTful API development and integration**, deploying NLP models into production environments to enhance application capabilities with AI-driven insights.
- **Experienced in Generative AI (Gen-AI) applications**, including developing and deploying LLMs for customer support, personalized marketing content, and knowledge management systems. Proficient in using Generative AI for content creation, real-time text analysis, and advanced chatbot solutions to enhance user interactions and engagement.
- Leveraging cloud platforms and cutting-edge big data technologies, proficiently architecting scalable and resilient data solutions tailored to organizational needs. **Collaborated with cross-functional teams** to translate business requirements into AI-driven solutions, improving user experiences through natural language understanding.

Technical Skills:

- Programming Languages: Python, C++, C, React.JS, HTML, CSS
- Data Manipulation and Visualization: Pandas, NumPy, Matplotlib, Computer Vision
- Machine Learning Frameworks: Scikit-Learn, PyTorch, Tensor Flow, Keras,
- LLM Tools: OpenAI GPT-3/4, BERT, T5,
- Databases: MySQL, PostgreSQL, MongoDB,
- Web Frameworks: Django, Flask,
- Cloud Platforms: Microsoft Azure, Amazon Web Services (AWS)
- Version control and DevOps: Git, Azure
- Testing: pytest, unittest

Education Details:

- **Bachelor of Technology in Computer Science,** **Lovely Professional University,**
India

Work Experience:

March 2025 – Till Date

BiBA Electronics: Gurgaon, India
Software Development Engineer:

- **Applied prompt engineering** techniques to fine-tune generative outputs, ensuring high-quality, domain-specific responses in applications like chatbots, summarizers, and support assistants.
- **Built and deployed** real-time AI models for text analysis, including sentiment detection and content moderation, optimizing performance for mobile and web platforms.
- **Implemented Generative AI for personalized marketing content**, leveraging models to create tailored email campaigns, social media posts, and product recommendations, significantly boosting engagement rates.
- Developed a system using LLMs (e.g., Llama 2) and Lang Chain to generate concise summaries of large documents

- **Leveraged Flutter** to develop scalable, high-performance applications with rich media capabilities, Firebase integration, and dynamic UI components—bridging the gap between AI systems and user-facing apps.
- **Optimized AI models for real-time text analysis**, including sentiment analysis and content moderation, by fine-tuning generative AI models to deliver accurate and timely insights.

Environment: Flutter, Dart, Kotlin, Python, PyTorch, Scikit-Learn, SDK, NLTK, OpenAI GPT-3/4, BERT, NumPy as np, Pandas,, Azure ,Docker, Restful APIs, Git,

Sunray intexo, Gurgaon, India
Software Development Engineer - NLP

Sep 2025 – March 2025

- **Developed and deployed advanced LLMs for enhancing customer support**, including automatic ticket resolution and chat-based assistance. This integration streamlined support workflows and improved response accuracy.
- Skilled in machine learning techniques (supervised and unsupervised algorithms), NLP, and data visualization with Tableau.
- **Implemented Generative AI for personalized marketing content**, leveraging models to create tailored email campaigns, social media posts, and product recommendations, significantly boosting engagement rates.
- Developed a system using LLMs (e.g., Llama 2) and Lang Chain to generate concise summaries of large documents
- Actively participated in code reviews, knowledge sharing sessions, and continuous learning initiatives to stay updated with the latest advancements in AI and NLP technologies.
- **Optimized AI models for real-time text analysis**, including sentiment analysis and content moderation, by fine-tuning generative AI models to deliver accurate and timely insights.
- Implemented **prompt engineering techniques** for enhancing model outputs, ensuring high-quality, domain-specific responses across various applications.

Environment: Python, Flask, Tensor Flow, PyTorch, Scikit-Learn, SpaCy, NLTK, OpenAI GPT-3/4, BERT, NumPy as np, Pandas, Matplotlib, AWS ,Docker, Restful APIs, Git,

Ramy infotech, Noida, India
Us IT- Recruiter

Jun 2024- Aug2024

- Work on C2C and W2 requirement and placed 1 student in HCL America as Full stack Developer.
- Work on Dice and Monster platform and Microsoft excel and outlook.

Aitra tech, Noida, India
Python Developer Intern

Aug 2023- Jul 2024

- Developed and maintained Python-based web applications, including API development and integration with cloud services.
- Implemented RESTful APIs using Django and Flask frameworks, providing efficient and secure communication channels.
- Leveraged cloud engineering principles to optimize application performance and scalability.
- Investigated and resolved complex technical issues, ensuring timely resolution of critical production incidents.

Environment: Python, Django, Flask, Microsoft Azure, RESTful APIs.

Frontend Lead
Powstik Bangalore, India

May 2022 – July 2022

- Strengthened React web development skills while gaining valuable experience in team management and organizational workflows
- Ensured timely project delivery through effective team management and streamlined workflows in a collaborative environment

Skills Used : React.js , Node.js , HTML and CSS, Tailwind CSS
Developed Ecommerce website and Razorpay integration as well.

Certification: Microsoft Azure certification with Great learning.
