

Ayush Gupta

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Experience

Software Engineer, WEBSTAFF – Tokyo, Japan

Sept 2024 – Present

- Designed and deployed 5+ production-grade frontend web apps (ReactJS, TypeScript, JavaScript, HTML, CSS) with responsive UI components, serving 1000+ DAUs with 99.9% uptime.
- Spearheaded the creation of a scalable job-tracking platform, automating data extraction and transformation; reduced manual job entry by 80%, saving the team 10+ hours weekly, and improving data quality scores.
- Developed KumoAI, a Google Meet assistant with a Chrome extension and Django backend to capture live captions, generate action items using OpenAI, and provide summaries via customizable web dashboard, enhancing post-meeting productivity.
- Built a RAG-powered chatbot that enables users to upload documents and query policies contextually. Handled 500+ queries per month while improving information retrieval accuracy by 60% and reducing response time by 40%.
- Developed robust data ingestion scripts to process and normalize recruiter data from multiple sources within the HRBC platform, ensuring data consistency and accuracy.
- Architected and developed a client-facing business platform that streamlined contract management processes, leading to increased efficiency and faster contract execution.
- Integrated deployments with AWS and Google Cloud Console to ensure reliability and scalability.
- Tech Stack:** Python, Django, React, Next.js, MySQL, AWS, GCP, Celery, Git and GitHub, REST APIs

SDE Intern, Sanchiconnect – Noida

Dec 2022 – Jan 2023

- Built resume parsing and scoring system using OCR + NLP, achieving 85% accuracy.
- Developed scalable RESTful APIs with NestJS and TypeScript to manage the processing of candidate data efficiently.
- Reduced recruiter screening time by 70% by developing and deploying automated scoring algorithms that ranked candidates based on parsed data.
- Architected a modular backend for a video builder, enabling the seamless integration and assembly of multiple video segments into cohesive presentations.
- Tech Stack:** Python, TypeScript, NestJS, NLTK, OCR, REST APIs

Projects

E-commerce Platform for College Community

Feb 2023 - April 2023

- Built full-stack e-commerce platform supporting over 100 active college community users for buy/sell transactions.
- Implemented backend using Flask & MySQL, integrating Razorpay payment gateway handling transactions for 100+ users.
- Tech Stack:** Python, Flask, MySQL, HTML, CSS, JavaScript, Razorpay API

BERT Model Pre-training and Fine-tuning

Nov 2023

- Implemented Masked Language Modeling and Next Sentence Prediction for BERT pre-training.
- Fine-tuned BERT-base-uncased model achieving 92% classification accuracy.
- Tech Stack:** Python, PyTorch, Hugging Face, Transformers, CUDA, NLP

Education

Indian Institute of Technology Gandhinagar

2020 - 2024

Bachelor of Technology: Major in Chemical Engineering
Minor in Computer Science and Engineering

CPI: 7.8

Technical Skills

Languages: Python, JavaScript, TypeScript, C++, SQL, HTML5, CSS3

Frameworks: Django, React, Next.js, NestJS, Flask, Node.js, PyTorch, TensorFlow

Databases & Tools: MySQL, PostgreSQL, MongoDB, Redis, Git, Docker, Postman

Cloud/DevOps: AWS (EC2, S3, Lambda), GCP, GitHub Actions, Celery, Cron

ML/Data: scikit-learn, NLTK, Pandas, NumPy, Matplotlib, OCR

Leadership

- Mentored a Junior developer intern from MIT, performed code reviews, improving team code quality by 40%.
- Led zero-downtime deployments and managed end-to-end SDLC for multiple applications.

Extra-Curriculars

- Participated in the prestigious Inter-IIT tournament as a member of the basketball team.