Ayush Gupta

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Education

Indian Institute of Technology Gandhinagar   **2020 - 2024**

Bachelor of Technology: Major in Chemical Engineering   *CPI: 7.8*
Minor in Computer Science and Engineering

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: JavaScript, TypeScript, Python, Django, React, Next.js, MySQL, AWS, GCP, Celery, Git and GitHub, Linux*

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*

Technical Skills

Languages: Python, JavaScript, TypeScript, C++, SQL, HTML5, CSS3
Frameworks: Django, React, Next.js, NestJS, Flask, Node.js, PyTorch, TensorFlow
Databases, Tools & OS: MySQL, PostgreSQL, MongoDB, Redis, Git, Docker, Postman, Linux
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.