Dilip Kumar

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Education

Gurukul Kangri Vishwavidyalaya **Aug 2019 – May 2023**
Bachelor of Science in Computer Science, CGPA: 9.02 *Uttrakhand, India*

Experience

Arcs infotech **May 2023 – Present**
Software Developer Engineer

- Developed an AI chatbot using LangChain and OpenAI GPT models, enabling users to create and train customized bots from diverse data sources, reducing response times to customer inquiries by 40%.
- Implemented serverless architecture with GCP Functions and Pub/Sub for asynchronous task processing, optimizing RedisDB for a **97.2% reduction in response time.**
- Built an API to convert PPT files to MP4 videos using OpenAI, integrated with Google Cloud for storage, FFMPEG for processing, and **Docker for containerization**. Utilized Celery with Redis to increase throughput efficiency by 50%.
- Enhanced data **retrieval speed by 40%** for a data grid with server-side filtering, sorting, and pagination using Angular, Node.js, and MongoDB, improving the experience for 2,000+ active users.
- **Technology Used** React.js, Next.js, Python, FastAPI, Docker, Redis, OpenAI, LangChain, Firestore, Vector Database

Studio-137 **Dec 2022 – Feb 2023**
Front End Developer Intern

- Developed TurnipCourses, a fully scalable web application with custom SSO and Google OAuth, streamlining the login/signup **process for 500+ users** and significantly improving user retention.
- Contributed to an Email Automation Dashboard using SendGrid and Amazon SES API for email filtering and scheduling, managing over 1,000 emails monthly.
- **Technology Used** React.js, Redux, Next.js, Node.js

Projects

Docsbot AI | *Next.js, Python FastAPI, LangChain, Firebase, GCP, Docker* **Link**

- Designed a no-code bot builder platform interface using Next.js and Python FastAPI, incorporating LangChain for the core RAG chain architecture, enabling the creation of over 500 bots.
- Supports **over 80,000 daily requests** and generated over $500,000 in revenue last year, with 15,000+ active users.

Open Board | *Tailwind CSS, JavaScript, React.js, Next.js, Node.js, Express.js, Socket.io* **Link**

- Created a whiteboard application with 8 essential features, including a toolbar for text, shapes, sticky notes, a pencil tool for drawing, and options for uploading/downloading images.
- Enabled real-time collaboration with Socket.io, supporting simultaneous interaction for over 30 users.

Technical Skills

Languages: C++, Java, JavaScript, TypeScript, Python, SQL
Development: Angular (v10-17), React.js/Next.js, Redux, Express.js, Python-FastAPI, MySQL, MongoDB, Docker, GCP
Concepts: Data Structures and Algorithms, Operating Systems, DBMS, Computer Networks, System Design

Achievements

- Ranked in the top 3.5% with a contest **rating of 2002** (Knight Level).
- 4-Star CodeChef Contest Rating of 1810.
- Achieved **global rank of 55** in Weekly Contest 316 (among 23,000+ participants).
- Secured **global rank of 234** in BiWeekly Contest 83 (among 17,000+ participants).
- Attained **top 1% position** with a rank of 356 in Weekly Contest 132 (among 34,000+ participants).
- Secured global rank of 250 in CodeChef Long Challenge.
- Achieved **All India rank of 16** and held the 1st rank in college.

Coding Profiles

Hackerrank Leetcode Geeksforgeeks