Hitesh Changrani

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EDUCATION

Institute of Engineering and Technology — Lucknow, India
MCA - Master of Computer Applications ; CGPA: 8.89 — *October 2023 - Present*

Chhatrapati Shahu Ji Maharaj University — Kanpur, India
BCA - Bachelor's of Computer Applications — *August 2019 - June 2022*

WORK EXPERIENCE

Software Developer Associate - Brimo International — February 2025 - Present

- Developed robust backend systems using Python, Django, and GraphQL, enabling scalable APIs and data-driven features.
- Designed and implemented AI agents for intelligent automation, including a log analysis agent for anomaly detection.
- Built and deployed applications on Google Cloud Platform (GCP) and AWS, ensuring high availability and performance.
- Automated data workflows using Python, Celery, and Azure Data Lake, creating end-to-end pipelines for seamless data ingestion and storage.

IT Internship - DB Digital — January 2025 - February 2025

- Created and optimized meta information, populated the CMS portal, and ensured accurate data entry and validation.
- Assigned geographic tags to locations, troubleshot mapping issues, and collaborated with teams to enhance location-based services.

PROJECTS

MagicCaptions ⧉ — December 2024

Developed a user-friendly caption generation tool leveraging AWS services to enhance video accessibility and engagement.

- Tools and Technologies - Next.js, Tailwind CSS, AWS S3, AWS Transcribe, FFmpeg, Vercel
- Caption Generation: Utilized AWS Transcribe to enable automated and accurate subtitle generation for videos.
- Caption Application: Integrated FFmpeg to seamlessly embed generated captions into videos.
- Customization: Implemented features allowing users to edit, customize, and style captions according to their preferences.
- File Management: Facilitated uploading and downloading of videos with captions using AWS S3 for secure storage.

PaymentsApp ⧉ — August 2024

Developed a full-stack web application inspired by Paytm

- Tools and Technologies - Node.js, Express.js, MongoDB, React.js, Tailwind, Varcel, Render
- User Authentication: Implemented secure user authentication using JSON Web Tokens (JWT) for signup and signin routes.
- Transactions: Enabled users to send and receive balance with each other, ensuring data integrity and consistency using ACID properties in MongoDB.
- User Search: Added functionality for users to search for other users within the application.

EXTRA-CURRICULAR

Position of responsibility — IET, Lucknow
Training and Placement Co-ordinator at IET Lucknow — *Feb 2024 - present*

- Possess strong analytical and problem-solving skills, with in-depth knowledge of placement and recruitment processes.
- Adept at managing multiple projects simultaneously in a fast-paced environment, and committed to helping students and graduates achieve their career goals.

SKILLS AND INTERESTS

Languages   C, C++, JavaScript, Python, HTML

Framework and Libraries   Node.js, Express.js, React.js, Django, GraphQL, Tailwind CSS, Bootstrap, Mongoose, SQL

Tools   GIT/GitHub, AWS, Google Cloud, Azure, Visual Studio Code