Krish Agrawal

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PROFESSIONAL EXPERIENCE

- **HashedIn By Deloitte [🌐]** — *Jan 2025 - April 2025*
  Software Engineer Intern — Bengaluru, India
  - **Worked upon an AI-driven code generator** using LangChain, LangGraph, and AutoGen, automating the conversion of **5+ PDFs and dashboard images** into dynamic Angular applications based on provided **SRS**, reducing manual coding effort by **70%**.
  - **Built .NET APIs for Book Management**, implementing role-based access and managing **500+ books**, improving admin efficiency by **50%**.
  - **Optimized scalable solutions** with Python, Angular, .NET, and Java SpringBoot, reducing system downtime by **10%**.

- **Maskottchen [🌐]** — *May 2024 - July 2024*
  FrontEnd Developer Intern — Punjab, India
  - **Led 2 live projects** and contributed to **3 others**, improving delivery time by **25%** through collaboration and code refactoring. **Tech-Stack:** React.js, Node.js, MongoDB, Stripe API

PROJECTS

- **GenAI Code Automator: [AI driven Code Generator and RAG based Query System]** — *Demo*
  Tools: [LangChain, LangGraph, LLMs, RAG, Vector Databases, Angular, Docker, Git, Node.js, Python.] [🎯]
  - **Multi-Agent System & Generative Code Synthesis:** Developed autonomous agents with LangChain and LangGraph to automate Angular structure, Dockerfile updates, and README generation, reducing setup time by **60%** and cutting manual coding by **70%**.
  - **Self-Evolving Codebase:** Enabled real-time code generation with LangChain and AutoGen, reducing human intervention by **50%**.
  - **RAG Integration:** Integrated RAG with PDF embeddings and APIs, improving solution accuracy by **40%**.

- **Members_Monitor: [Gym Management Platform]** — *Demo*
  Tools: [React.js, Node.js, Express, MongoDB, and Stripe API] [🎯]
  - **Led development of a gym management portal,** reducing admin workload by **40%** and enhancing member engagement.
  - **Implemented features** for gym owners, trainers, and fitness enthusiasts, optimizing user experience, operational efficiency and transaction processing speed by **25%**.

- **ZyloPress: [File Compression and Decompression Tool]** — *Demo*
  Tools: [C++, Data Structures, Algorithms] [🎯]
  - **Built "ZyloPress":** Developed a file compressor using Huffman coding in Python, reducing file size by **50%** with optimized encoding.
  - **Enhanced Compression:** Applied advanced data structures (Priority Queue, Binary Tree) for improved speed, memory efficiency, and performance.

SKILLS

- **Programming Languages** : [**C++**, Data Structures & Algorithms, **JavaScript**, C#, Python, MySQL]
- **Technologies** : [**Angular**, HTML5, CSS3, **ReactJS**, Next.js, TypeScript, NodeJS, Express.js, MongoDB, Rest API, Langchain.]
- **Tools** : [VS-Code, .Net, Docker, HuggingFace, Power BI, MS Excel, PostMan, Redis, Git & Github]

EDUCATION

- **Birla Institute of Technology, Mesra** — *Aug 2021 – May 2025*
  Bachelor of Technology, Computer Science Engineering — Ranchi, Jharkhand
  CGPA: 8.01/10

AWARDS/ACHIEVEMENTS

- **Consistent Programmer (Leetcode, CodeChef, CodeForces):**
  - Solved **1100+ problems**, earned **5+ Leetcode badges**, rated **1600+**.
  - **Global Rank 1400** out of **35k+** in Weekly Contest 380.
  - Ranked in **Top 7.82%** in **5+ Weekly Contests**.

- **Winner, Smart India Hackathon 2023 (Sep 2023): 1st place** out of **50+ teams** at Internal Level for developing *Legal-Guru* portal and chatbot for legal awareness.