Agam Chaurasia

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Summary — I am a dedicated and passionate coder and a strong foundation in data structures and algorithms. I am committed to leveraging technology for social good. Through my work with KBC (a college club), I have led and mentored teams, organized events, and fostered knowledge sharing. My goal is to continue building impactful solutions that promote global welfare and drive sustainable change.

Skills

Web Development: MERN stack

Software: Node.js, Spring, React, Bootstrap, MongoDB.

Languages: C++, Python, Java (Basics), JavaScript, MySQL

Experience

Infosys

Internship 5.0 (B4) From Alt Text to Real Context with AI   **Feb 2025 – Mar 2025**

From-Alt-text-to-Real-Context-with-AI

- Developed a Flask-based web application that performs real-time AI-powered image analysis, covering alt text generation, SEO content creation, and social media optimization.
- Designed and implemented modules for general and advanced image analysis, including color palette generation, sentiment analysis, and visual composition evaluation.
- Integrated support for medical image formats (DICOM, TIFF, JPEG), enabling AI-assisted anatomical structure detection for educational purposes.
- Built SEO and social media tools to generate optimized titles, descriptions, captions, and hashtag recommendations tailored to specific platforms.

Orision Technology   **Aug 2024 – Sep 2024**

Two Month Intership

- Developed various projects, including a secure and user-friendly login page.
- Gained hands-on experience in front-end and back-end development, enhancing coding skills and technical knowledge.
- Collaborated with the team to understand client requirements and translate them into effective, functional features.
- Worked with different development tools and frameworks, improving adaptability and proficiency in a diverse tech stack.

Education

Noida Institute of Engineering and Technology   **CGPA   7.20**

Bachelor of Technology in Computer Science and Engineering

Certifications

- Coursera - Python Basics, Databases and SQL for Data Science with Python, Introduction to Artificial Intelligence, Python for Data Science, AI & Development, Data Structure, Algorithm Toolbox, Java Programming in Array, Lists and Structure Data, Object Oriented Programming in Java.
- Infosys Springboard - Introduction to Natural Language Processing, Principles of Generative AI Certification, Introduction to Data Science, Computer Vision 101, Artificial Intelligence Primer Certification.
- Udemy - FullStack Webdevelopment

Projects

Food Ordering System

Skills: React.js, SpringBoot, MySQL, MySQL Workbench, AWS

- *Allow users to create an account or log in to save orders, payment info, and preferences.*
- *Display various restaurants with filters by cuisine, rating, distance, and price range.*
- *Show each restaurant's menu with categories (appetizers, mains, desserts) and detailed item descriptions, prices, and images.*

Compiler Design

Skills: Java, MicroService Architecture, System Design, Oops

- *Designed a dynamic scripting-based programming language in Java, automating data typing and accessibility definition, increasing readability without compromising java features.*
- *Implemented Microservice Architecture with Oops concepts in Java, enabling 25% faster development cycles and 40% improved code maintainability through modular design.*