

Amarjit Kumar Natraj

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Profile

Highly motivated and results-oriented individual with a strong foundation in Computer Science Engineering (CSE) seeking an entry-level Software Engineer role to leverage programming expertise (C++, Python, etc.) and contribute to innovative solutions within a fast-paced environment. Passionate about utilizing cutting-edge technologies like Full stack and cloud computing to drive impactful solutions, especially within the financial services sector.

Education

B.Tech in Computer Science *G H Rasoni College of Engineering*
HSC (JAC) *RLSY College*
SSC (CBSE) *Manthan Valley St. Albert's School*

Nagpur 2021-2025
Koderma 2021
Giridih 2019

Skills

- **Languages:** C, C++, SQL, Python
- **Frontend:** HTML, CSS, Javascript, Bootstrap
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Tools:** GitHub, Git
- **Subjects:** OOP, CN, DBMS, DSA, OS, MLA
- **Soft Skills:** Problem-solving, Teamwork, Adaptability

Projects

Portfolio website

- Developed a dynamic portfolio website utilizing HTML, CSS, and JavaScript.
- Implemented interactive features such as smooth transitions and hover effects to enhance user experience and engagement.
- Utilized JavaScript to create a responsive design ensuring compatibility across various devices and screen sizes.

API based Weather app

- Designed and developed an API-based weather web application using HTML, CSS, and JavaScript, demonstrating proficiency in front-end web development.
- Integrated weather API to fetch real-time weather data and displayed it dynamically on the web interface, showcasing adeptness in JavaScript and API utilization.

Code Explainer

- The project uses Google's PaLM API to generate detailed step-by-step explanations of Python code snippets, helping users understand the functionality and logic of the code.
- It computes and provides the final output of the given code snippet, making it an educational tool for learning Python programming through real-time feedback.

Lunar Object Detection

- Developed a deep learning model using YOLOv8 to detect lunar craters and boulders from satellite imagery.
- Trained and fine-tuned the model with custom datasets, achieving accurate object detection on lunar surfaces.

Extracurricular Activities

NPTEL Course Achievement: Successfully completed an NPTEL course with Elite+Silver status, attaining an aggregate percentile of 79%.

Technical Engagement: Actively involved in technical events and hackathons, fostering a growth mindset through ongoing learning,

problem-solving, and collaborative innovation in the technology sector.

- **Specialized Training:** Participated in Salesforce programs and completed courses on Data Visualization using Tableau and Power BI as part of college-based training.

Internships

Web Developer at SYNC (Dec 2023)

- Created responsive web apps with HTML5, CSS3, and JavaScript for cross-browser compatibility and accessibility.
- Recognized for early project delivery, demonstrating strong project management and attention to detail.

C++ Programmer at InternPe (August 2023 - Sept 2023)

- Developed and optimized algorithms in C++, focusing on efficient code and data structures.
- Gained practical experience in algorithmic problem-solving, and applied data structures in real-world scenarios.