Mritunjay Kumar

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EDUCATION

Vellore Institute of Technology — Madhya Pradesh, India
Bachelor of Technology in Computer Science and Engineering, CGPA: 8.27 — *August 2021 - May 2025*

D.A.V Public School, Hazaribagh — Jharkhand, India
Central Board Of Secondary Education, Higher secondary examination: 86.66% — *June 2020 - July 2021*

PROJECTS

Dockerized Web Scraper | *Node.js, Python, Puppeteer, Flask, Docker* — March 2025

- Developed a production-ready web scraper using Puppeteer with headless Chromium in Node.js, implementing page navigation, DOM querying, and data extraction to JSON with error handling
- Engineered a multi-stage Docker build process separating the Node.js scraper and Python Flask API server, reducing final image size to under 300MB through Alpine Linux optimization
- Designed a RESTful Flask API with JSON responses, serving scraped data including page titles, headings, and timestamps through endpoint routing and proper HTTP status codes
- Configured Docker with Chromium-specific flags (–no-sandbox, –disable-dev-shm-usage) and environment variables for container compatibility
- Implemented proper file handling between build stages, passing scraped data.json from Node.js to Python container while maintaining filesystem permissions

Mentor Me | *Next.js, Tailwind CSS, PostgreSQL* — February 2024

- Crafted a mentoring and resource-sharing platform for students using Next.js and Tailwind CSS, enriching 1:1 and group mentoring experiences.
- Developed a PostgreSQL-backed full-stack web application, utilizing Next.js for enhanced frontend interactivity .
- Designed intuitive user interfaces with Tailwind CSS, significantly enhancing experience and improving accessibility across mentoring and resource-sharing functionalities.
- Integrated real-time chat functionality to facilitate instant communication between mentors and mentees, increasing engagement and reducing response time.

INTERNSHIP

Full Stack Developer Intern, HiredNext — May 2025 – Present

- Developed and deployed a fully functional web application from scratch using React, HTML, CSS, and Vite, with a strong focus on performance and scalability.
- Built and integrated a robust backend using Supabase, leveraging its real-time database and authentication services for seamless user experiences.
- Designed and implemented responsive, user-friendly interfaces ensuring cross-device and cross-browser compatibility.
- Collaborated closely with design and backend teams to ensure consistent UI/UX and smooth frontend-backend integration through RESTful APIs.
- Improved application performance and maintainability by organizing code with reusable React components and modular architecture.

TECHNICAL SKILLS

Programming Languages: C++, Python, SQL, JavaScript, HTML, CSS.
Frameworks & Libraries: Next.js, Tailwind CSS, Flask, Puppeteer.
Databases: PostgreSQL, MySQL.
Cloud & DevOps: AWS (EC2, S3, RDS, IAM), Docker.
CI/CD & Automation: GitHub Actions, Bash.
Version Control & Tools: Git, VS Code.
Operating Systems: Windows, Linux (Ubuntu).

CERTIFICATIONS

AWS Certified Cloud Practitioner – Amazon Web Services (AWS), 2024
Demonstrated proficiency in cloud fundamentals, AWS services, and cloud security.
NPTEL Cloud Computing – Elite Rank – IIT (NPTEL), 2024
Gained expertise in cloud infrastructure, virtualization, and security concepts.

ADDITIONAL INFORMATION

Interests: Passionate about software development, cloud computing.
Competitive Programming: Solved 400+ problems on LeetCode , GFG and Hackerrank, focusing on data structures & algorithms.
Languages Spoken: Fluent in English and Hindi.