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HARSHIT MALIK

LINKS

Portfolio: harshit-malik-portfolio.vercel.app, LinkedIn: www.linkedin.com.

EMPLOYMENT HISTORY

JUNIOR SOFTWARE DEVELOPER <div align="right">Jun 2024 - Present</div>
CES Corporation

- Led the development of a new generation API, implementing optimized endpoints and modular architecture for enhanced performance.
- Designed and automated a deployment strategy using Python, leveraging Flux and GitOps for continuous deployment of API and database services on Kubernetes clusters.
- Implemented real-time cluster monitoring with Grafana and Prometheus, enabling proactive monitoring and alerting of system metrics.
- Collaborated with clients to gather requirements, updated API functionalities, and introduced new endpoints to meet evolving business needs.

SOFTWARE DEVELOPER, INTERN <div align="right">Sep 2023 - Jan 2024</div>
CES Corporation

- Single-handedly engineered a robust NodeJS API interfacing with Modbus servers in PLCs, streamlining data retrieval processes using ExpressJS.
- Conceived, designed, and implemented a ReactJS web application to empower clients with remote control over miners, pumps, fans, and HVAC systems, addressing a crucial need for efficient management.
- Ensured seamless integration between the API and the web application and utilized ThreeJS to improve the UI on the web application.

SOFTWARE DEVELOPER, INTERN <div align="right">May 2023 - Aug 2023</div>
Sensorise Smart Solutions

- Working on the Sensetouch KYC app which provides End-to-end Solution for secure registration & verification of lot clients as per know-your-customer (KYC) norms.

SOFTWARE ENGINEER, INTERN <div align="right">Jan 2022 - Aug 2022</div>
Neurocage Systems Ltd.

- Developed a backend project utilizing computer vision and machine learning in Python, for the analysis of mouse behavior. As well as creating a motion tracking system to assess rodent health.
- Enhanced and maintained the company's website for veterinarians using Python Flask, HTML, and JavaScript, resolving existing issues.
- Implemented a user feedback form on the website, connecting it to GitHub Actions for immediate developer access.

EDUCATION

BACHELOR'S DEGREE IN SOFTWARE ENGINEERING CO-OP <div align="right">May 2024</div>
University of Alberta <div align="right">*Edmonton, AB, Canada*</div>

ADDITIONAL INFORMATION

PROJECTS
Decentralized Social Networking Website

- Developed a blogging/social network platform using Django for backend, React for frontend, and PostgreSQL for database.
- Implemented an inbox model for post sharing and activity routing, enhancing inter-node communication.
- Utilized TypeScript to ensure type safety and improve code quality and maintainability.
- Optimized data storage and retrieval by designing nodes to store copies of posts received in the inbox.
- Enabled selective post visibility through public and friends-only posts, improving user privacy.

PROJECTS
OpenAI Project Idea Generator and Resource Finder

- Created a web application that leverages the OpenAI Davinci model and ReactJS for generating project ideas and providing corresponding resources through links.
- Utilized user input parameters such as coding languages, project type, team size, experience, and desired number of ideas to generate a dynamic list of project suggestions.
- Enabled users to select a project idea and receive a customized list of resources generated by the OpenAI model.

SKILLS

C, C++, Java, PostgreSQL, GraphQL, Rust, JavaScript, TypeScript, MySQL, SQLite, OpenCV, React, Flask, Python, HTML, Docker, MongoDB, AWS, Git, Node.js, Three.js, Django, Blockchain, CSS, Software Testing, Prometheus, Kubernetes.