JAYANT JOSHI

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EDUCATION

Dr B R Ambedkar National Institute of Technology   Jalandhar, Punjab
B.Tech , Chemical Engineering   08/2023 - 05/2027

St. Thomas Senior Secondary School   Ludhiana, Punjab
12th   03/2022 - 03/2023

EXPERIENCE

IRoots   Bangalore, Remote
SDE Intern, Compiler Module   06/2024 - 08/2024

- Spearheaded the development of a software optimization tool that reduced processing times by 40%, significantly enhancing system performance and user experience.
- Designed and implemented automated workflows, eliminating manual bottlenecks and increasing overall productivity by 35%.
- Contributed to the redesign of critical system components, improving reliability and scalability by over 50%, supporting future growth.
- Led collaborative efforts with cross-departmental teams to successfully integrate new software solutions, ensuring seamless deployment and alignment with organizational goals.

PROJECTS

Resourcify   Chakra UI, Mongodb Atlas, Firebase, NodeJS, Stripe API, ExpressJS, Tailwind CSS

- Empowered educators with customizable templates, multimedia integration, and streamlined course management.
- Enhanced student learning with personalized paths, interactive activities, and mobile accessibility.
- Prioritized user experience and collaboration through responsive design and group work tools.

Go , Python Interpreter   Go Language (Golang), Python, Interpreter Design, ASTs, Memory Management

- Developed expertise in Go and Python interpreter design, focusing on abstract syntax trees (ASTs).
- Enhanced proficiency in memory management for efficient interpreter performance.
- Specialized in creating and optimizing interpreters for seamless code execution.

HIGHLIGHTS

- 5 star C++ and Python coder @ Hackerrank.
- 4 star C coder @ Hackkerrank.
- Won 3rd prize in university level hackathon.
- Completed 50+ problem in codeforces.

SKILLS

- **Programming Languages**: C/C++, Python, C, Go, JavaScript.
- **Frameworks and Libraries**: NodeJS, React.JS, NextJS, Tailwind CSS.
- **Tools**: Git.
- **Back-end**: Firebase, MongoDB.