NISHANT SIROHI

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OBJECTIVE

To apply my diverse skills in software engineering, data analysis, and cloud computing to contribute to the development of cutting-edge graphics and computing products, delivering high-performance solutions in a collaborative environment

EDUCATION

B.Tech CSE, Meerut Institute of Engineering and Technology   Expected 2024
Relevant Coursework: Data Structures and Algorithms, Web Development and Mobile App Development.

Senior Secondary and Higher Senior Secondary, CBSE , Army Public School   2017 - 2020

SKILLS

Programming Languages	Python (60K+ loc), C++ (50K+ loc), Java, C/C#, Assembly
Tools and Technologies	PCIE, Nvlink, Django, Flask, Kubernetes, DevOps, Networking, Git/Github
	Server Technologies, Hibernate, Amazon Web Services, Networking, PL-SQL
	MongoDB, Agile methodologies, GCP, Docker, Linux
Soft Skills	Communication, Adaptability, Teamwork, Leadership, Problem-Solving, Creativity

EXPERIENCE

Data Science And Machine Learning Intern   Dec 2022 - Mar 2023
Coding Ninjas   *Remote*

- Achieved **20% growth** using data science and machine learning, including **NLP, deep learning and Tensorflow**
- Led data science team, resulting in a **15% revenue increase via predictive modeling and analysis**
- Proficient in Natural Language Processing, deep learning, statistics, and data visualization, with a focus on **driving revenue growth and optimizing processes**

Full-stack Developer   Jun 2022 - Sep 2022
OneAll Digital   *Remote*

- Achieved **30% growth** with **React, Node.js, and MongoDB**. Implemented key features for increased user engagement and adoption
- Developed a robust MERN application with **Redux, GraphQL, and Docker** for optimal performance, scalability, and efficient deployment
- Designed a **feature-rich web app** with advanced functionality, enhancing user engagement and experience

PROJECTS

C++ GPU Compiler and Code Optimization Tool   Jul 2023 - Sep 2023
CUDA, Qt, wxWidgets, C++   *Team Size - 5*

- Developed a state-of-the-art C++ GPU compiler and optimization tool, automating code analysis and GPU-specific code generation
- Achieved significant GPU code performance enhancements through advanced code analysis, addressing bottlenecks and optimizing memory usage
- Streamlined developer workflows with an intuitive user interface, enhancing GPU utilization for high-performance computing and graphics tasks

Autonomous Drone Navigation With Computer Vision
Apr 2022 - Jun 2023

PX4, Python and cv2 *Team Size - 2*

- Developed an autonomous drone navigation system using cutting-edge computer vision algorithms
- Achieved precise object detection, obstacle avoidance, and path planning for unmanned aerial vehicles, enabling autonomous missions
- Successfully demonstrated the project's capabilities, paving the way for applications in industries like surveillance, agriculture, and logistics

Code Collaboration Platform
Dec 2022 - Mar 2023

React JS, MySQL, GCP and Node.js *Team Size - 1*

- Enhances coding efficiency, facilitating simultaneous collaboration on the same codebase in real-time, with over 50+ projects fully managed on this platform website
- Achieves quantifiable success with faster project delivery, improved code quality, and streamlined collaboration practices
- Recognized by industry experts for revolutionizing developer workflows and fostering efficient code collaboration

Color Switch
Jun 2022 - Sep 2022

Java JavaFX, FXML, SceneBuilder *Team Size - 2*

- Created a replica of the obstacle-based game "Color Switch," featuring an extensive array of 10+ obstacles and 2 distinct game modes, while employing principles of Object-Oriented and Event-Driven programming
- Expanded the game's capabilities by incorporating vector-based animations and enforcing highly accurate replication of game physics.

AWARDS AND ACHIEVEMENTS

- Amazon Certified: Amazon Web Services Solutions Architect - Professional
- Microsoft Certified: Power Platform Fundamentals
- Secured 93.6 percentile in the JEE Mains examination
- National Science Olympiad 2nd Position
- Indian National Mathematics Olympiad (INMO) Qualified
- Scholarship Holder, Army Public School, Meerut

POSITIONS OF RESPONSIBILITY

- Amazon ML Summer School — Sep 2023 - Present
- Core Member, Ideathon @MIET — Jun 2023 - Present
- Web Developer, Google Developer Student Club @MIET — Jun 2022 - Apr 2023
- Student Council, Army Public School, Dehradun — Apr 2019 - Feb 2020

INTERESTS AND HOBBIES

- Music Production
- Playing Guitar
- Table Tennis
- Chess (FIDE Rating 1135)
- Cricket