

NISHANT SIROHI

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OBJECTIVE

To excel as a Software Engineering Specialist at BT Group, applying my skills and experience to drive innovation and contribute to the company's success

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	React JS, Node JS, Django, Flask, Kubernetes, SQL, BigQuery, Git/Github MySQL, Computer Vision, NLP, Fusion 360, Data Visualization, TensorFlow MongoDB, Docker, PyTorch, Tableau, 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

Customer Churn Prediction Model

Dec 2022 - Mar 2023

Python, SQL and Statistical Modeling

Team Size - 1

- Developed a machine learning model using historical data and customer behavior analysis to predict customer churn, resulting in a 15% reduction in churn rate through targeted retention efforts
- Utilized features such as usage patterns and demographics to enhance model accuracy and identify high-risk customers, enabling proactive retention strategies
- Implemented advanced ensemble modeling techniques to assess and predict customer churn, contributing to improved customer retention and overall business profitability

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

- Achieved Amazon Certified status as an AWS Solutions Architect - Professional
- Microsoft Certified in Power Platform Fundamentals
- Attained a remarkable 93.6 percentile in the JEE Mains examination
- Secured 2nd position in the National Science Olympiad
- Qualified for the prestigious Indian National Mathematics Olympiad (INMO)
- Awarded a scholarship at Army Public School, Meerut

POSITIONS OF RESPONSIBILITY

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| • Distinguished participation as a core member of Amazon's ML Summer School | Sep 2023 - Present |
| • Served as a vital core member of Ideathon @MIET | Jun 2023 - Present |
| • Contributed to web development projects with the Google Developer Student Club | Jun 2022 - Apr 2023 |
| • Actively contributed to the Student Council at Army Public School, Dehradun | Apr 2019 - Feb 2020 |

INTERESTS AND HOBBIES

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