NISHANT SIROHI

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OBJECTIVE

To secure an internship opportunity with Bosch Corporate Research India as a graduate student, leveraging my academic knowledge and passion for research and innovation to contribute to Bosch's cutting-edge projects while gaining valuable industry experience and expanding my skill set in a dynamic and 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	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

- 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