

Arjun Singh

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SUMMARY

Recent **Computer Science and Engineering** graduate from **I.K.G. Punjab Technical University, Jalandhar**, seeking a challenging position to enhance my technical skills. I have a solid foundation in Programming, Algorithms, Data Science, and Machine Learning, with hands-on experience in Machine Learning, Data Science, Django, and collaborative projects. Committed to high-quality work and eager to collaborate with a dynamic team to achieve organizational goals.

EDUCATION

B. Tech in Computer Science & Engineering, 7.55 SGPA | IKGPTU Main Campus Kapurthala | Aug '20 - June '24
12th (PSEB), 79.11% | Khalsa Senior Secondary School, Shri Anandpur Sahib | 2020
10th (ICSE), 73.66% | Mount Carmel School, Jindwari | 2018

WORK EXPERIENCE

Data Science Trainee | Future Finders, Mohali | Jan '24 - Jun '24

- Mastered Python programming and data manipulation using Pandas, NumPy, and Scikit-learn.
- Gained proficiency in data visualization with Matplotlib and Seaborn, and SQL for database management.
- Explored advanced machine learning algorithms and applied them to real-world projects.
- Collaborated on group projects, enhancing teamwork and problem-solving skills under expert mentorship.

Web Development Trainee | The Core System Pvt. Ltd, Chandigarh | 21 Jul '22 - 6 Sep '22

- Developed dynamic web applications using Django, mastering the framework's core functionalities.
- Enhanced front-end skills using HTML, CSS, and JavaScript to create responsive and user-friendly interfaces.
- Collaborated on full-stack projects, ensuring robust and maintainable code through best practices and code reviews.

ACADEMIC PROJECTS

Binary Classification of Insurance Cross Selling | Kaggle Competition | Ranked 215th | [GitHub Link](#)

- Developed and implemented ML models, including boosting algorithms, neural networks, and CNNs, to achieve a rank of 215th.
- Applied data preprocessing techniques and feature engineering to enhance model accuracy and performance.
- Utilized Stratified-KFold for cross-validation to ensure reliable and robust model evaluation.
- Conducted thorough performance analysis using various metrics to fine-tune models and improve results.

Classification with an Academic Success Dataset | Kaggle Competition | Ranked in Top 200 | [GitHub Link](#)

- Developed and fine-tuned machine learning models to classify academic success, achieving a top 200 rank.
- Applied data preprocessing techniques and feature engineering to optimize model performance.
- Utilized algorithms such as Boosting Algorithm, Hypermetric Tuning, and ensemble methods for classification.
- Conducted thorough evaluation using cross-validation and performance metrics to ensure robust results.

Water Potability Analysis | Personal Project | [GitHub Link](#)

- Conducted data analysis and implemented machine learning models using Python to predict water potability.
- Employed various algorithms, including LR, SVM, and ensemble methods to achieve high prediction accuracy.
- Visualized data trends and insights using libraries like Matplotlib and Seaborn and extract the feature by doing Feature Engineering.

LANGUAGES, SKILLS AND CERTIFICATES

- **Languages:** English, Punjabi, Hindi.
- **Skills:** Data Science, Data Analysis, Machine Learning, Python Programming, Proficient in Mathematics (Data Science), Deep Learning, Web Development (with Django and Python).
- **Certifications:** Six Months training in field of **Data Science**, Python 101 for Data Science, **SQL and Relational Databases 101**, Web Development with Python and Django, Google Cybersecurity Certificate, Connect and Protect: Networks and Network Security, Tools of the Trade: SQL, Automate Cybersecurity Tasks with Python.