

# Sarthak Rout

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## Objective

Enthusiastic undergraduate looking for a Data Analyst role offering a strong foundation in data mining, programming (Python, SQL) and data manipulation (Power BI) with exceptional communication skills.

## Education & Positions

B.E. CSE(Hons.) with specialization in AI&ML, Apex Institute of Technology, Chandigarh University, May 2023, CGPA 8.24

• Cisco Campus Ambassador, 2023 • Astronomy Club, Management and Organizing Team Member, 2023 • Class Representative • Advanced Cognitive Processes, AIR 1, NPTEL, 2022

## Projects

• AutoShop for Online Shopping (Product/Model) • Time Series Forecasting ([Research Paper](#))  
• Fraud Detection Using Deep Learning (Research Paper) • Recipe Recommendation System  
• Bone Fracture Detection Using Machine Learning (Review Paper) • Real Estate Price Prediction Using Machine Learning • Smart Traffic Light System Using Arduino

## Technical Skills

• Data Analytics • Power BI • Machine Learning (Forecasting) • Deep Learning (Neural Networks) • Python/PySpark/TensorFlow/Keras/Scikit-learn • Data Engineering • Azure Data Factory • Azure Databricks • GCP • Weka • Java • SQL/SparkSQL • Data Warehouse/ETL • RDBMS Tuning • Apache Nifi • Hadoop HDFS • MongoDB • Jira • Docker • Git/GitHub

## Professional Experience

**WNS Vuram, Bangalore** *Data Analyst – Intern* May 2024 – Current

Worked on projects demanding data engineering skills along with project management and communication to complete data outsourcing, data cleaning and data manipulation tasks.

**Rancho Labs, New Delhi** *Python and AI – Intern* June 2023 – June 2023

Led teams managing low-latency software learning, improving processing efficiency, automating manual tasks, and designing courses.

**A.C.C. Coaching Institute, Pune** *Computer Language – Trainer* Aug 2022 – Nov 2022

Conducted undergraduate lectures on Python, Java, C, and C++, integrated software into IT courses, and enabled post-class interaction for doubt resolution.

**Infocenter Computer Institute, Pune** *Programming Teaching – Intern* Feb 2022 – July 2022

Developed programming courses (Python, C, C++, Java), crafted live class modules for web development (HTML, CSS, JavaScript), and mentored students in competitive coding.

## Certifications

• DP-203: Microsoft Azure Data Engineer Associate • Advanced Machine Learning on Google Cloud • Machine Learning • Introduction to Data Science by IBM • Deep Learning by IIT Ropar • Basic Cognitive Psychology by IIT Kanpur • Advanced Cognitive Psychology by IIT Kanpur