

Ashutosh Vyas  
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## EDUCATION

Year	Degree/Exam	Institute	GPA/Marks(%)
2019 - 2023	B.Tech CSE with Specialization in ML & AI	Graphic Era (Deemed to be University)	9.278/10
2019	12 <sup>th</sup> , I.S.C.	St.Joseph's Academy, Dehradun	88.75 %
2017	10 <sup>th</sup> , I.C.S.E.	Carmel School, Chamba	90.80 %

## EXPERIENCE

- **Goldman Sachs** | Summer Analyst (*Upcoming May'22 - Jun'22*)
- **Samsung** | PRISM Research Intern (*Jul'21 - Mar'22*)
  - Led a team of 4 members.
  - Built a real-time 5G radio environment monitoring application.
- **The Sparks Foundation** | Data Science and Business Analyst Intern (*Sep'21 - Oct'21*)
  - Developed a hybrid model for stock price/performance prediction.
  - Coded a Decision Tree classifier and visualized it graphically.
  - Received **The Golden Hand** for excellent performance.
- **IEEE** | Summer Intern (*Jun'21 - Jul'21*)
  - Worked on a research project on an AI-based Architecture of an IOT-based flood control system under the guidance of **Mr. Himanshu Rai Goyal**.

## PROJECTS

- **GEU Bus Finder** (Feb'22):
  - Built a cross-platform application for my university along with my peer to track university buses and display all their information to students in real-time under the guidance of **Dr. Sachin Sharma**.
  - Designed algorithms, implemented cloud databases, and managed various API services.
- **Stock Market Prediction Model** (Sep'21):
  - Created a hybrid model for stock price/performance prediction on 20 years of stock and news data.
  - Applied numerical analysis on historical **BSE SENSEX** stock price and sentimental analysis on news headlines from Times of India.
  - Attained an impressive **R2 Score** of **0.97**.
  - Link: *Stock Market Prediction using Numerical and Textual Analysis*
- **Mall Customer Segmentation** (Aug'20):
  - Formulated a segmentation model from scratch using NumPy arrays that follow the principle of **Agglomerative Hierarchical Clustering** to cluster a dataset on mall customers.
  - Achieved a **Silhouette Score** of **0.53** for clustering the dataset into seven classes.
  - Link: *Mall-Customer-Segmentation*

## TECHNICAL SKILLS

- **Languages:** Python (Advanced), JAVA, C++, C, DART, SQL
- **Tools and Frameworks:** Azure Machine Learning Studio, Flutter, Tensorflow, scikit-learn, OpenCV.

## SCHOLASTIC & CO-SCHOLASTIC ACHIEVEMENTS

- Completed Summer Internship at IEEE with excellent grade.
- Organized an inter-university chess competition with 500+ participants
- Secured 1st rank in a coding competition by GEU ACM Student Chapter in 1st year B.TECH
- Got Certified in Microsoft Azure-900
- AWS Certified Associate Architect