

EDUCATION

- **Indian Institute of Technology, Kharagpur** Kharagpur, West Bengal
M.Tech + B.Tech Dual Degree in Industrial and Systems Engineering; GPA: 8.5/10 July. 2016 – April. 2021
Minor in Mathematics and Computing
- **G.M.S.S.S, Manimajra** Chandigarh, India
Central Board of Secondary Education; Standard 12th; Percentage: 85.6 2016
- **Little Flower Convent School** Panchkula, India
Indian Certificate of Secondary Education; Standard 10th; Percentage: 96.6 2014

EXPERIENCE

- **Mercedes-Benz Research and Development India** Bangalore, Karnataka, India
Post-Graduate Engineer Trainee (AI/ML) Aug 2021 - Present
 - Deep Learning and Computer Vision Research in the Intelligent Car Interior Algorithms Team
- **AWL** Sapporo, Hokkaido, Japan
Artificial Intelligence Research Internship Apr 2020 - Aug 2020
 - Developed a Semi-Supervised Learning pipeline for computer vision classification models.
 - Developed an Age and Gender Estimation deep learning model using face images.
 - Developed a pseudo-labelling pipeline for automatic annotation of images.
- **PredictivEye** Toronto, Ontario, Canada
Data Science Internship Dec 2019 - Jan 2020
 - Developed product recommendation systems using collaborative filtering and content-based method for a customer-analytics platform. Incorporated user journey information and tracked browsing behaviour.

COURSEWORK

- **Computer Science:** Artificial Intelligence, Deep Learning, Machine Learning, Natural Language Processing, Symbolic Logic
- **Mathematics:** Linear Algebra, Regression and Time Series, Stochastic Processes, Applied Multivariate Statistics
- **Industrial Engineering:** Operations Research, Optimisation and Heuristic Methods, Simulation, Quality Design and Control, Safety Analytics, Game Theory

PROJECTS/COMPETITIONS

- **Change-point detection in Multivariate Sensor Data Streams using Adaptive Filters**
- **NetApp Data Challenge, Kshitij, IIT Kharagpur (2nd Runner Up):** Sentiment Analysis
- **Intelligent Ground Vehicle Challenge, Oakland University, Michigan, USA (Runner Up)**
Represented IIT Kharagpur as a member of Autonomous Ground Vehicle Research Group in AutoNav Challenge.
- **Strategy Storm, International Social Business Case Competition, IIT Guwahati:** Secured 3rd position among 1200 teams. Provided digital solutions for scalability and customer reach.

SKILLS AND EXPERTISE

Languages: Python, C, C++, SQL, Java

Frameworks: Pytorch, Tensorflow, Sklearn, Pandas

Softwares: Git, CPLEX, MySQL, Ansys, Solidworks, Excel, Powerpoint