Aruvi Dutta

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Bachelor of Engineering in Computer Science
University Institute of Engineering and Technology, Chandigarh

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EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
B.E. CSE	UIET, Chandigarh	Panjab University	9.08 (Till 6th Sem)	Oct 2021- Jul 2025
Senior Secondary	GMSSS Manimajra Chandigarh	CBSE	97.2%	May 2021
Matriculation	St. Kabir Public School, Chandigarh	CBSE	97.2%	Mar 2019

EXPERIENCE

- **Design and Innovation Center, UIET** *Jan 2024 - May 2024*
  Intern Panjab University, Chandigarh
  - Led the development of a cutting-edge CAD System customized for Diabetic Retinopathy detection at UIET's Design and Innovation Centre collaborating with a team of 25 members.
  - Leveraged Python expertise to explore over 5 libraries, orchestrating the integration of various denoising filters, autoencoders, and GANs.
  - Enhanced diagnostic precision and efficacy in healthcare innovation through these advancements.
- **National Institute of Technical Teacher Training and Research** *Jun 2023 - Jul 2023*
  Trainee Chandigarh
  - Successfully finished a rigorous 6-week training program at the prestigious NITTTR, Chandigarh, with a focus on data science, enhancing competence in state-of-the-art approaches and strategies.

PROJECTS

- **Diabetic Retinopathy Detection** *Jan 2024 - May 2024*
  Dr. Mamta Juneja, Professor, UIET
  - As a member of preprocessing team, optimized image preprocessing by applying green channel extraction and Weiner filter. We also applied gaussian blur, median blur and bilateral blur filters.
  - Currently orchestrating project capabilities by utilizing Generative Adversarial Networks (GANs) for data augmentation, increasing dataset size by 20%.
- **GrowthGrid** *Apr 2024 - May 2024*
  Dynamic PowerBI Sales Dashboard
  - Utilized cards to highlight total selling value, profit, and profit percentage for quick performance assessment. Identified top product by quantity, total selling value, and category to pinpoint bestsellers.
  - Comprehensive Visualizations: Stacked column chart for monthly sales and profit, clustered bar chart for product sales, area chart for daily trends, donut charts for sales type and payment mode, and tree map for category sales.
- **House Rent Prediction** *Jun 2023 - Jul 2023*
  NITTTR, Chandigarh
  - Engineered and implemented a House Rent Calculator project with an intuitive GUI interface, accommodating 11 categorical variables for diverse feature input.
  - This comprehensive approach ensured that users could accurately capture various factors influencing housing costs, resulting in enhanced accuracy and reliability of the calculations.

SKILLS - TECHNICAL

- HTML/CSS
- Data Science
- Jupyter Notebook
- Visual Studio
- Machine Learning
- Data Preprocessing
- PowerBI
- Entrepreneurship
- Tableau
- Data Visualization
- Excel
- MS Office

SKILLS - SOFT SKILLS

- Attention to Detail
- Optimistic and Responsible
- Creative
- Analytical acumen
- Active Listening
- Conflict Resolution

POSITIONS OF RESPONSIBILITY

- **Department Representative** , UIET, Panjab University *Oct 2023 - Aug 2024*
- **Social Media Manager**, Euphoria, UIET, Chandigarh *Sep 2022 - Aug 2023*

ACHIEVEMENTS

- **Selected for Amazon ML Summer School from 90,000+ applicants** *July 2024*
- **ZS Campus Beats Case Challenge Top 100 teams** *Apr 2024*
- **Myntra HackerRamp WeForShe Ideathon Round qualified.**
- **Review paper** *Jan 2024*
  - Collaborating with 4 other authors on a review paper titled 'A Systematic Review on CAD Systems for Diabetic Retinopathy Detection which is yet to be published.
- **Start Up Seed Grant (Rs 25,000)** *Mar 2023*
  - Outshining 500+ applicants across Punjab, the vehicle rental ideation led to VOZILO's selection for incubation under Software Technology Park of India, Mohali. Awarded a prestigious seed grant of Rs 25,000 under the SHE-Cohort.
- **Under Secretary-General for Media and Publicity UIET MUN 7.0, Rapporteur UNCSW UIET MUN 6.0**
- **Gold medalist State Level Chess player**
  - Representing Chandigarh at National level 3 times
- **Working with an NGO GirlUp Zahanat for upliftment of rural women**