Saish Satish Bawake

Junior Undergraduate
Artificial Intelligence and Data Science Engineering
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ACADEMIC DETAILS

Degree	Specialization	Institute	Year	CPI/%
B.E	*AI&DS*	DYPIEMR, Akurdi, Pune	2023-Present	7.15
Class XII	*Physics, Chemistry, Maths*	Shree Ganesh Junior College, Korhale	2022-2023	65.00
Class X		Shree Saibaba English Medium School	2020-2021	70.40

SUMMARY

Aspiring **Artificial Intelligence and Data Science Engineer** currently pursuing a **Bachelor of Engineering** at **Dr. D. Y. Patil Institute of Engineering, Management and Research, Pune**. Skilled in **Python programming, data analytics, data visualization, neural networks, and machine learning fundamentals**. Experienced in solving data-driven problems and extracting actionable insights through hands-on projects and **virtual job simulations with Deloitte Australia and Tata Group**. Demonstrates strong analytical thinking, business-oriented problem solving, and a continuous learning mindset. Seeking opportunities to contribute to the development of **intelligent, impact-driven AI systems**.

INTERNSHIPS

- **Infosys Springboard Virtual Internship 6.0** [November '25 - January '26]
  (Mentor – Mousami Shrivastava)| Project Link
  - Developed an **Automatic Number Plate Recognition (ANPR)** and **Automatic Traffic Congestion Control (ATCC)** system using **computer vision and deep learning** for smart traffic monitoring applications.Studied the correlation between wall heat transfer rate and the height/width of a protrusion at a fixed distance from the leading edge.
  - Gained hands-on experience in applying **computer vision and deep learning** to build **end-to-end real-time systems**, integrating object detection, tracking, OCR, and analytics while improving model accuracy, performance optimization, and system scalability
  - Optimized inference performance to enable **near real-time processing**, improving system reliability for smart city deployment.

PROJECTS

- **Metro Journey Planner** [January '26]
  Personal Project| Project Link
  - Designed and developed a **Metro Journey Planner** that computes **shortest and most efficient routes** across multiple city metro networks (Mumbai and Pune) using **Dijkstra's Algorithm** on graph-based station models.
  - Built a **modular graph architecture** representing metro stations as nodes and routes as weighted edges, enabling scalable expansion to additional cities and lines.
  - Implemented backend logic to **identify optimal paths**, calculate **total distance**, and generate **step-by-step station routes** with interchange handling for improved route clarity.
  - Developed a **user-friendly command-line interface** allowing dynamic city selection, source/destination input, and instant display of optimized routes and journey metrics.

TECHNICAL SKILLS

- **Programming Languages:** C++, Python.
- **Tools:** VS Code, Power BI, MS Office, Excel.
- **Libraries:** Numpy, Matplotlib, Pandas, SciPy, Seaborn, OpenCV (cv2)
- **Core Competencies:** Object-Oriented Programming

CERTIFICATIONS

- *Tata Group - Data Visualisation: Empowering Business with Effective Insights Job Simulation| Certificate link*
- Infosys Springboard Artificial Intelligence Premier Certificate/ *Certificate link*
- Deloitte Australia - Data Analytics Job Simulation/ *Certificate link*