NANDANA K

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PROFESSIONAL SUMMARY

Highly driven and dedicated Data Science student with a strong passion for innovation and applying technology to solve real-world problems. Quick learner with a keen interest in emerging technologies and a focus on delivering impactful solutions. Established the Game Development Club at college, actively served in multiple student organizations, and played a key role in organizing both technical and cultural fests. Committed to excellence and consistently producing high-quality work that meets or exceeds expectations.

SKILLS

Languages & Databases: Python, Java, C, R, SQL, C#
Technologies & Tools: Power BI, Git & Git hub, VS code
Data, ML & Game Development: Data Analysis, Machine Learning, Generative AI, Unity
Soft Skills: Problem Solving, Critical Thinking, Communication, Leadership, Collaboration

EDUCATION

Mar Athanasius College of Engineering, Kothamangalam October 2022 - June 2026

B.Tech in Computer Science and Engineering with Specialization in Data Science

- CGPA**:** 8.9 (up to Semester 5)

G.H.S.S Pallikkunnu, Kannur June 2020 – March 2022

Higher Secondary Education

- 96.67% in State Board Exam

Chinmaya Vidhyalaya Kannur, Kerala March 2020

High School Education

- 94.8% in CBSE Board Exam

EXPERIENCES

Micro Internship at TATA Global Internships March 2025

- Completed a micro internship focused on Data Visualization: Empowering Business with Effective Insights, gaining hands-on experience in extracting, analyzing, and visualizing business data.

Internship at PaceLab June 2025 (Ongoing)

- Assisted in developing and optimizing AI models, performed data preprocessing, and collaborated with teams to implement AI-driven solutions.

PROJECTS

Personal Portfolio Website – Showcasing ML & Full-Stack Projects

- Designed and built a responsive personal portfolio website to highlight academic and personal projects. The site features machine learning, data science, and full-stack development work, offering a professional snapshot of skills, experiences, and achievements in a user-friendly interface.

Stress Detection Device

- Developed a machine learning-based device that analyzes heartbeat and temperature to assess stress levels. Achieved real-time detection accuracy and showcased the solution at Takshak'24, improving biometric-based mental health screening.

MetroFlow: Passenger's Origin-Destination Distribution Prediction Over Metro Networks

- Designed and implemented an Origin-Destination prediction system using Multinomial Logit Model (MNL) and XGBoost**,** processing Automatic Fare Collection (AFC) data. The model accurately forecasted passenger flow and congestion patterns, aiding in fare optimization and improving metro network efficiency