

# NANDANA K

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## PROFESSIONAL SUMMARY

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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

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**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

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### 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

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### 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

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### 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