

PATHAN BABA FAKRUDDIN

Bachelor of Technology in Computer Science and Engineering (IoT)

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PROFESSIONAL SUMMARY

Motivated and detail-oriented Computer Science and Engineering student with a strong foundation in Artificial Intelligence, Machine Learning, and IoT. Skilled in Python, SQL, and full-stack web development with hands-on experience in cloud-based academic projects. Adept at designing and deploying scalable applications, optimizing performance, and collaborating effectively in team environments. Passionate about leveraging technology to solve real-world sustainability challenges with strong problem-solving, analytical, and communication skills.

KEY SKILLS

Python • Machine Learning • React • Firebase • FastAPI • MySQL • PostgreSQL • Docker • Kubernetes • JavaScript • HTML • CSS • IoT • Git • REST APIs • Data Structures • Algorithms • OOP • DBMS • Operating Systems • Networking

EDUCATION

- **Bachelor of Technology in CSE (IoT)** 2021–2025
Presidency University, Bangalore CGPA: 7.3/10
- **Intermediate (MPC)** 2019–2021
NRI Junior College, Andhra Pradesh Score: 92%
- **Secondary Education (10th Grade)** 2019
Usha Kiran High School CGPA: 9.7/10

TECHNICAL SKILLS

- **Programming:** Python, C, Java
- **Web Development:** HTML, CSS, JavaScript, React, Firebase, Vite
- **Databases:** MySQL (DDL, DML, DQL, Joins, Subqueries), MongoDB, PostgreSQL
- **Developer Tools:** Git, Docker, Postman, VS Code, Kubernetes
- **Core Concepts:** Data Structures, Algorithms, OOP, DBMS, OS, Computer Networks

PROJECTS

Solid Waste Management System

- Developed a web-based platform connecting waste donors with NGOs and recycling organizations.
- Implemented user registration, authentication, and real-time donation tracking using Firebase.
- Designed a responsive dashboard promoting sustainability through waste segregation and reuse awareness.
- Integrated cloud deployment to enable scalable and efficient data management for users and organizations.

Cryptocurrency Price Analysis using AI

- Built and trained deep learning models using LSTM to forecast cryptocurrency price trends.
- Analyzed social-media sentiment data, improving prediction accuracy by 15%.
- Enhanced model performance with optimized preprocessing and feature selection.
- Delivered visual insights correlating market trends with public sentiment for better forecasting.

ACHIEVEMENTS

- Secured 92% in Intermediate (MPC) and achieved 9.7 CGPA in Secondary Education.