SUNKIREDDY BARATH

✉ sunkireddybarath07@gmail.com 📞 8438784178 📍 Chennai, Tamil Nadu 🔗 Sunkireddy Barath 🔗 sunkireddy-Barath

Education

Bachelor of Engineering - Computer Science & Engineering, *Chennai Institute of Technology*   2024 – 2028
- Cumulative Grade Point Average **(CGPA) - 8.8/10**

Internship

Kaizenspark Tech Pvt.Ltd   Jun 2025 – Jul 2025
- Full Stack Development Intern at Kaizenspark Tech Pvt. Ltd., contributed to building the company's new   Chennai, India
  official website using modern web technologies.
- Collaborated with the team to deliver clean UI/UX, optimized performance, and seamless multi-device user
  experience.

NullClass EduTech Pvt.Ltd   Nov 2025 – Jan 2026
- Data Science Intern at NullClass Edutech Pvt Ltd, worked on developing an Emotion Detection system using   Krishnagiri, India
  machine learning and computer vision techniques
- Contributed to building and training models to recognize human emotions from facial expressions, helping
  improve user behavior analysis, engagement, and intelligent decision-making.

Projects

AgriSmart – Smart Farming with AI, *React.js, Flask, Supabase(DB), python, numpy, pandas* 🔗
- AI-powered platform that assists farmers with crop recommendations, disease detection, weather insights, and multilingual voice support.
- Plant disease detection API provides 80–90% reliable results across common crop diseases.
- Helps reduce 20–40% crop yield losses caused by pests, diseases, and climate factors (FAO data).

EduAI – AI-Driven Digital Learning Platform, *React.js, Machine Learning, Flask, Firebase* 🔗
- AI-powered education platform with virtual classrooms, student modules, and teacher meetups for real-time learning.
- Gamified learning system with games, quizzes, sign-language support, and multilingual content switching.
- Boosted student engagement by 30–40% using interactive classrooms and AI-assisted learning flows.

Lendora AI – Decentralized Lending and Borrowing AI, *Cardano, Plutus, Hydra, Machine Learning* 🔗
- AI-powered decentralized lending platform enabling ADA-backed stablecoin loans with smart-contract automation and ML risk scoring.
- Hydra Layer-2 and oracle pricing enable instant settlements, real-time collateral monitoring, and accurate ADA price tracking.
- ZKP verification and automated liquidation streamline loan workflows and improve risk and fraud detection accuracy.

PredicSure – Smart Urban Utility Outage Prediction System, *ReactNative.js , Flask, Supabase, python, Scikit-learn* 🔗
- AI/ML-powered platform predicting outages in electricity**,** water, weather, and disaster management with real-time alerts.
- Reduced average response/alert time by 1.8 seconds, ensuring timely notifications for citizens and authorities.
- Utilizes time-series forecasting, anomaly detection, and external APIs for proactive urban utility management

Skills

- **Programming Language,** *C,C++,Python,Java,Javascript,TypeScript,SQL.*

- **Frontend and Design,** *HTML,CSS,Bootstrap,React.js,Next.js,Canva,Figma*

- **Backend and Datatbase,** *Node.js,Express.js,MySQL,MongoDB,Supabase,Firebase,Flask*

- **Artificial Intelligence,** *Numpy,Pandas,Scikit-learn,Matplotlib,TensorFlow,PyTorch*

- **Computer Science Fundamental,** *Data Structures,Algorithms,Operating Systems,DBMS,OOPs,Machine Learning*

Competitive Programming

- **Leetcode : (barath80),** *Top 25%, Solved 750+ problems, Max Rating 1689, Daily Streak 140+ days* 🔗

- **CodeChef : (barath80),** *Div 4, Max Rating 1183, Solved 192+ problems, Bronze & Gold Badges, Contest Contender* 🔗

- **CodeForces : (sunkireddybarath07),** *Max Rating 363 (Newbie), 6 Weeks on Platform, Enhancing Logic & Efficiency* 🔗

- **Skillrack : (cs24cit0923@cit),** *Solved 133 Problems, 116 Tutor Tasks, 17 Track Challenges, Consistent Learner* 🔗

Achievements

- **Cardano Hackathon Asia IBW Edition 2025 Winner,** *Built Lendora AI Best UI/UX & Hydra Implementation(3000+ teams)* 🔗

- **Google Developer Groups(Hackkarnataka)2025 Top 2,** *(Built AgriSmart-Smart Farming with AI),Top 2/2000+teams* 🔗

- **Intellecthon 2k25 (A National Level Software Innovation Hackathon) Finalist,** *(Top 15/1500+ team participated)* 🔗

- **Navonmesh Hackathon 2025 National Finalist,** *(Top 20/1500+ teams participated),SSIPMT Raipur* 🔗