

# Eerla Venkatesh

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## EDUCATION

**Institute of Aeronautical Engineering, Hyderabad, India**  
B.Tech in Computer Science and Engineering (Data Science)

Expected graduation: April 2026  
GPA: 8.1/10

**Government Polytechnic, Kothagudem**  
Diploma in Mining Engineering

Apr 2023  
GPA: 9.42/10

**GHS Santhinagar High School, Khammam**  
High School Education

March 2020  
GPA: 9.0/10

## TECHNICAL SKILLS

**Programming Languages :** Java, Python

**Frameworks :** Pandas, NumPy, Matplotlib, FASTAPI

**Web Technologies :** HTML, CSS, Javascript, Bootstrap, React Js

**Tools :** Git, GitHub, Streamlit, Netlify, Power BI, Microsoft Excel, MySQL

**Development IDEs:** Jupyter Notebook, Visual Studio, IntelliJ IDE, Google Colab

**Concepts :** Data Structures, Algorithms, OOP, System Design

## EXPERIENCE

**Bluestock Fintech**, Pune, Maharashtra (Remote)  
Software Development Engineer (SDE) – ([GitHub](#))

1 Apr 2025 – 30 May 2025

- Developed a full-stack IPO Web Application to manage and participate in Initial Public Offerings (IPOs), featuring user and admin dashboards for streamlined access.
- Designed and developed responsive and visually modern user interfaces using React and Tailwind CSS, ensuring seamless cross-device compatibility. Focused on delivering an intuitive and user-friendly experience for IPO.
- Integrated Stripe API for secure and seamless payment processing during IPO applications.
- Built role-based user and admin dashboards with structured workflows to manage IPO listings, user applications, and payment status efficiently.

## PROJECTS

**Climate Prediction Analysis** – ([GitHub](#))

Jan 2025 – Feb 2025

- Analyzed climate change trends using machine learning and statistical techniques to identify key factors influencing climate change and develop predictive models for future climate patterns.
- Utilized Pandas, NumPy, Scikit-Learn, Matplotlib, and Streamlit for data processing, machine learning, visualization, and interactive UI.
- Built a Streamlit web application to allow users to explore climate data trends, model predictions, and interactive visualizations in real-time.

**AI Code Reviewer** – ([GitHub](#))

Nov 2024 – Dec 2024

- Developed a Python-based AI Code Reviewer application using Streamlit for the UI and Google Generative AI for reviewing Python code, identifying bugs, and providing feedback.
- Provided comprehensive, actionable feedback on code structure, performance efficiency, and adherence to best practices. Automatically detected common bugs and offered optimization suggestions to improve code quality, maintainability, and scalability.
- Implemented logic to detect common coding issues such as unused variables, inefficient loops, and inconsistent formatting across user submissions.

## CERTIFICATES

Artificial Intelligence and Machine Learning Skill upgradation Training course - Setwin  
AWS Certified Machine Learning - Infosys Springboard  
Programming in Java - Nptel

Apr 2023  
Dec 2024  
Jul-Oct 2024

## e-Portfolios

- Portfolio** : [ui-and-ux-portfolio.vercel.app](https://ui-and-ux-portfolio.vercel.app) – projects, Skills, challenges.
- GitHub** : [github.com/EERLA-VENKATESH](https://github.com/EERLA-VENKATESH) – Code repositories showcasing personal and academic projects.

## HONOURS AND ACHIEVEMENTS

- Hackathon (1st Prize)** – "Analytics for a Better Tomorrow: A Global Challenge Hackathon" held on 30 January 2025, organized by the Career Development Center, IARE, Dundigal, Hyderabad.