

Ragamaie Nagineni

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SUMMARY

Computer Science undergraduate with strong problem-solving skills and hands-on experience in web development and machine learning projects. Enthusiastic about software engineering, data structures, and algorithms. Detail-oriented and eager to contribute to impactful software solutions at scale.

WORK EXPERIENCE

PR Core member, Epoch club

Aug 2024 - April 2025

- Developed and implemented a social media strategy. Managed promotions.
- Part of the organizing committee for multiple technical events, helping boost participation and club visibility.

Web Development Trainee

Dec 2023 - Jan 2024

- Gained valuable skills and knowledge through a 2-month certified industrial training program in web development at edu-versity Training Institute.
- Acquired hands-on experience and practical expertise in full stack web development.

PROJECTS

Improved Multirace Ant Colony Parallel Chaos Search Algorithm

[Demo](#) — [Paper](#)

- Boosted algorithm efficiency using supervised ML models (Random Forest, Gradient Boosting).
- Handled data preprocessing, feature engineering, evaluation, and visualization (scikit-learn).

DRAKZ – Full-Stack Web Development Project (Ongoing)

- Built user-facing pages and implemented backend logic using HTML, CSS, JS, Express, Node.js, and MongoDB.
- Managed database integration, version control (Git), and team collaboration on core modules.

Netflix Stock Data: Analytics and Modeling

[Demo](#)

- Analyzed 20 years of stock data; built predictive models (Linear Regression, Random Forest, SVR).
- Evaluated performance using MSE; practiced data cleaning, visualization, and statistical analysis.

SKILLS

- **Languages:** Python, C
- **Databases:** PostgreSQL, SQL, MongoDB
- **Tools & Libraries:** Git, GitHub, Scikit-learn, Pandas, Matplotlib, VS Code
- **Data Science:** Data Analytics and modelling, Statistical Analysis, Visualization
- **Web Development:**
 - **Frontend:** HTML, CSS, JavaScript, EJS (Embedded JavaScript), React
 - **Backend:** Node.js, Express