PRADEEP REKAPALLI

Portfolio | *E:* prekapal@students.kennesaw.edu | *M:* +1 (943) 226-9638 | LinkedIn | GitHub | LeetCode

EDUCATION

Kennesaw State University	Master of Science in Computer Science	Expected Graduation, May 2025

- Dean's 4.0 Club **(Top 3.63%)** for excellent academic performance. **CGPA** : 3.88

Coursework: Advanced Cryptography, Advanced Algorithms, Machine Learning, Database Systems.

Jawaharlal Nehru Technological University	Bachelor of Technology in Computer Science	June 2018 - May 2022

Coursework: Operating Systems, Cloud Computing, Theory of Computation. **CGPA** : 3.42

SKILLS

- **Programming Languages:** C++(Standard Template Library), Python, Object-Oriented Programming.
- **Data Structures & Algorithms:** Proficient in algorithm implementation and optimization.
- **UX Design:** Ideation, User Flows, Design Thinking, Wireframing, Interface Design, Prototyping, Field Research.
- **Web Technologies and Tools:** React, JavaScript, JSON, HTML, CSS, Git, Figma.
- **Systems, Databases and Methodologies:** Linux, SQL, NoSQL (MongoDB), Agile, CI/CD.

WORK EXPERIENCE

Teaching Assistant	Coles College of Business	August 2024 - Present
Research Assistant	Kennesaw State University	August 2023 - May 2024

- Led a team of **three** to design a text annotator, completed project in **five months**. Contributed frontend part.
- Collaborated with **two PhD researchers** to collect and analyze data over **10,000+** data entries (Testing purpose).
- Achieved **82.74%** accuracy for crime prediction for two counties using a Logistic Regression model.
- **Impact:** Provided valuable insights for law enforcement and in-house text annotator.
- Tech Stack: HTML, CSS, JavaScript, Python, Pandas, scikit-learn.

Software Development Engineer	Infosys	June 2022 - July 2023

- Developed and optimized the client's internal workforce management tool by resolving bugs, increasing search efficiency, and implementing automation features.
- Enhanced search efficiency by improving indexing in collaboration with **the search optimization team.**
- Developed automation features for attendance and designed reusable UI components in React.
- **Impact:** Contributed to search algorithm (data management), 2 automation features (logic & UX Design).
- Tech Stack: React, C++, Git , AdobeXD.

Software Engineer Intern – Frontend	SriTech	November 2021 - May 2022

- Implemented dynamic user interfaces for the Art of Living, serving **0.8 million** active users using ReactJS.
- Designed high-fidelity wireframes and prototypes for Desktop and mobile screens using **Adobe XD**.
- Increased user accessibility by integrating support for **4 languages** using a machine translation feature.
- Tech Stack: React, Bootstrap, AdobeXD, AWS.

PROJECTS

- **Chrome Extension (LeetCode)** | JavaScript, Gemini 2.0 API (Dec 2024): Created Coding Companion Extension to answer coding questions & doubts. Reducing tab switching distraction.
- **Sudoku Solver** | C++ (Dec 2024): Implemented an algorithm using backtracking - **O(9^E) E= Empty boxes**
- **Carpool Platform** | C++ (Dec 2024): Scalable. Users can get the book, provide rides with estimated cost & time
- **BANK MANAGEMENT SYSTEM** | C++ (Sep 2024): Developed account and balance management features
- **Word Auto Complete** | C++ (Sep 2024): Implemented efficient auto-completion using the **Trie data structure**
- **Credit Card Validator** | C++ (Sep 2024): Created a validator to identify card types using the Luhn Algorithm
- **Spell Checker** | C++ (Sep 2024): Developed spell checker with phonetic matching for **19k words**
- **Mini Search Engine** | C++ (Sep 2024): Developed regex pattern matching indexing functionality for **122 URLS**
- **Food Delivery** | Figma (Aug 2024): Designed a user-friendly, responsive interface for a food delivery app

LEADERSHIP & INVOLEMENT

C-Day (Innovation Idea Presentation)	Kennesaw State University	November 2024
Coding Hackathon (CodeVita) |TCS (Global)	November 2024
Hackathon (CodeToGive)	Morgan Stanley (Alpharetta Branch, Georgia)	September 2024
Content Creator (Tech & Student Life)	YouTube : Day1Pradeep	August 2024 - Present
President & Wellness Leader	Sky Campus Happiness	September 2023 - Present
Coding Mentor	Edyst	April 2022 - March 2023