Gayathri Kuniyil

EDUCATION

University of California San Diego - *B.S. in Computer Science - Mathematics* La Jolla, CA
Expected June 2028
Relevant Courses: Data Structures, OOP, Linear Algebra, Discrete Mathematics,Calculus, Principles of Data Science

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C, HTML/CSS
Frameworks & Tools: React.js, Node.js, FastAPI, PyTorch, SQLite, Git, JWT, Tailwind CSS, Vercel, AWS, cron

EXPERIENCE

UCSD Computer Science & Engineering Society (CSES) **October 2024 - Present**
AI Research Writer and Website Developer *La Jolla, CA*

- Researched model interpretability, supervised learning, and ML pipelines; authored technical articles for peer-facing publication
- Developed responsive frontend components using semantic HTML, modular CSS, and JavaScript
- Collaborated via GitHub on multi-feature site deployments; optimized layout and assets for mobile performance

CodePath Technical Interview Prep **June 2025- September 2025**
Participant *Remote*

- Completed 12-week DSA program solving 50+ problems on recursion, DP, hash maps, and time/space complexity
- Participated in mock interviews and system design sessions with engineers from top tech firms; improved debugging and communication skills

Coding Minds Academy **September 2024-Present**
Computer Science Tutor *Irvine, CA*

- Instructed 30+ students in core CS topics including oop, recursion, and algorithm design using Java and Python
- Mentored AP CS and coding competition students to strengthen advanced problem-solving skills and code fluency

PROJECTS

Talent Map| Python, FastAPI, React.js, TF-IDF (NLP), Cosine Similarity, PyTorch, Git, REST APIs **July 2025**

- Developed an end-to-end AI platform to assess resume–job compatibility using TF-IDF vectorization and cosine similarity
- Built a FastAPI backend with RESTful endpoints, serving match results to a responsive React.js frontend
- Currently integrating a PyTorch model to enhance semantic understanding and improve ranking precision across job-resume pairs

Study Buddy| HTML, CSS, Bootstrap, Font Awesome **Summer 2025 - COGS 3 Project**

- Built a responsive study planner website using Bootstrap's grid system, cards, and carousel
- Customized the layout for different screen sizes and added interactive buttons and icons

Dice Game | JavaScript, HTML, CSS **Summer 2025 - COGS 3 Project**

- Created a simple dice game using JavaScript and DOM manipulation to display random rolls
- Used if-statements to show a win/loss message based on the sum of the dice