Manoj Sai Ravuri

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High-achieving computer science student with experience in frontend and backend development, AI/ML, and deploying technology solutions for real-world applications. Seeking to leverage technical skills and passion for impactful technology through a software developer position at Hack4Impact.

EDUCATION

California Polytechnic University, San Luis Obispo, 93410

Freshman Year

- **High School GPA (no college GPA yet):** 3.90/4.00 (unweighted), 4.3/4.00 (weighted)
- **Relevant Coursework:** AP Calculus AB/BC, AP Physics 1, AP Computer Science A/Principles, Python

EXPERIENCE

Speech and Debate Club   **2019 - 2022**

- Won 1st, 2nd, and 3rd place awards in regional competitions, honing public speaking and teamwork skills.

United States Academic Decathlon (U.S.A.D.)   **2023 - 2025**

- Led team to 1st place in Sacramento County competition (2024) and earned top-three individual ranking across 10 subjects, including advanced mathematics.

President, American Computer Science League,   **2023 - 2025**

- Led 10-member team in national competitions, earning a bronze medal (2024).
- Mentored peers in coding and problem-solving, applying recursion and graph theory.

Web Developer, FCUSD Career Technical Education   **2023 - 2024**

- Built a modernized CTE landing page using HTML, CSS, and JavaScript (https://bit.ly/42IUcBx).
- Enhanced user experience for 500+ monthly users.

Data Science Intern, American Computing Machinery (ACM),   **May 2024 - Aug 2024**

- Developed various ML prediction models including an earthquake prediction model for USGS using Python, PyTorch, and Raspberry Pi to collect and analyze large datasets.

SkillsUSA Technical Drafting,   **2023–2024**

- Competed regionally using Autodesk Fusion 360, earning top honors for precise designs.

Sequoia API Developer (private repo)   **2024–Present**

- Aided in the development of a stateful WebSocket API (written in go lang) to allow communication between a custom Minecraft server mod (Sequoia Mod) and the Sequoia MSSQL database.
- Developed many of the core features of the API, including WebSocket connections between server and client, OAuth via discord and JSON Web Tokens, and remote client commands.

SKILLS

- **Programming**: Python (e.g. PyTorch), Java, HTML, CSS, JavaScript (e.g. React & Node.js), SQL
- **Tools**: Raspberry Pi, Autodesk Fusion360, AutoCAD, Microsoft Excel, Google Suite
- **Specialties**: Technical Problem-Solving, Data Analysis, Machine Learning, Algorithm Design, Team Leadership

AWARDS

- 1st Place Team, Sacramento County Academic Decathlon, 2024
- Bronze Medal, American Computer Science League, 2024
- 1st & 2nd Place, FCUSD MATHCOUNTS Regionals, 2023