

Ryan Rana

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EDUCATION

Rutgers University

Bachelors in Computer Science

New Brunswick, NJ

Aug 24 – May 28

Activities and societies: accepted into RUMAD and Blueprint, writer/member @ USACS, 4x hackathons, 2x winner, fraternity recruitment director.

SHOWCASED EXPERIENCE

Centren Health

Medical Software Engineer

Nov 25 - Present

NYC, NY

Designing systems for digital twins, clinical transformers and pk/pd modelling.

Mesh (joinmesh.today)

Co-founder

May 25 - Oct 25

Led development team. Beta reached 600 users. Wound down after testing PMF and pivoted focus.

Goldman Sachs

Possibilities Summit

Jan 25 - Jun 25

~15% acceptance rate program for college freshman. Did the engineering track.

Stem In Place

President

Aug 21 - Aug 24

Started as summer instructor, but grew 501(c)(3) from 600 to 1500 signups with 20 to 40 instructors.

HillsHacks

Co-president

Sep 20 - Feb 24

Annual hackathon with >120 attendants. My highschools flagship event.

Populus

Software Engineer

Jul 23 - Sep 23

Austin, TX

UI/UX, Deployment. 4.5k users on fantasy NBA stock app.

JPMorgan Chase & Co.

Student Software Engineering Intern Program

Jul 23 - Aug 23

Jersey City, NJ

Learned how to optimize big data operations. High school program.

SHOWCASED PROJECTS

Osler: AI hospitalist assistant aggregating guidelines, staffing, supplies, and KPIs via conversational RAG on Google Gemini. 3rd place RWJ x Oracle Health Hack.

Aura: Enterprise AI copilot for retail with NL access to Snowflake data, auto-reports, and ML-based inventory/sales forecasts.

Robot Deformables: Robotic handover via imitation/RL, multimodal fusion (vision, proprioception, audio) for deformable object manipulation.

Vault: Secure full-stack team workspace with encrypted messaging, RBAC file sharing, and auditable task management. 1st place Rutgers x Fiserv.

ReforestNYC: Community-centric geospatial env sim platform generating licensable eco-scores for real estate integrations.

TECHNICAL SKILLS

Languages: Python, JavaScript, React, HTML, PHP, SQL, Java, Bash, Swift, Latex, C++, TypeScript, R, Go, Rust

Developer Tools: AWS, Node.js, Conda, Framer, Figma, JQuery, XAMPP, OpenCV, MondoDB, MYSQL, Firebase, VIM, Raspberry Pi, Arduino, GIT, CocoaPods, Scikit, Numpy, Pandas, Kaggle, Google Cloud, Bootstrap, Docker, Jira, NPM, Linux, Matplotlib, Kubernetes, Terraform, PostgreSQL, TensorFlow, PyTorch