Ryan Rana

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EDUCATION

Rutgers University   New Brunswick, NJ
Bachelors in Computer Science   *Aug. 2024 – May. 2028*

Activities and societies: RUMAD & Blueprint, various hackathon awards (HackRU, RWJ Health Hack, Hackathon Netforge), ex-member @ Alpha Sigma Phi (recently closed), USACS

EXPERIENCE

Centren Health   Nov 2025 - Present
Software Engineer   *NYC*
  Building the first true clinical transformer.

Mesh(joinmesh.today)   May 2025 - Oct 2025
CTO
  Led development. Beta reached 300 users. Wound down after testing real-world usage pattern.

Goldman Sachs   Jan 2025 - Jun 2025
Possibilities Summit
  ˜15% acceptance rate out of 8000 applicants.

Stem In Place   Aug 2021 - Aug 2024
President
  Started as summer instructor, became vp, then president. That year we went from 600 to 1500 signups and 20 to 40 instructors.

HillsHacks   Sep 2020 - Feb 2024
Co President
  Annual hackathon with >120 attendants. Served as workshop leader, projects dev lead, and co-president.

Populus   Jul 2023 - Sep 2023
Software Engineer   *Austin, TX*
  Multi-Platform UI Development, NoSQL

JPMorgan Chase & Co.   Jul 2023 - Aug 2023
Student Software Engineering Intern Program   *Jersey City, NJ*
  Learned how to optimize big data trading systems.

SHOWCASED PROJECTS

Osler: AI assistant for hospitalists that centralizes guidelines, staffing, supplies, and KPIs behind a conversational RAG interface using Google Gemini.

Aura: Enterprise AI analytics copilot for retail leaders with conversational access to Snowflake data, automated reporting, and predictive inventory and sales forecasts.

Helios: Wearable AI haptic navigation device that uses computer vision and NLP to detect objects and guide users through cluttered environments in real time.

Vault: Secure full-stack workspace for teams with an encrypted message board, role-based file sharing, and task management for auditable collaboration.

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, Bootstap, Docker, Jira, NPM, Linux, Matplotlib, Kubernetes, Terraform, PostgreSQL, TensorFlow, PyTorch