# Ryan Rana

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## EDUCATION

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

**Activities and societies:** mentor @ USACS; alumni @ Alpha Sigma Phi; Blueprint & RUMAD fellowships; Various Hackathon Prizes @ Hackru, RWJ health hack, Hackathon Netforge @ Rutgers

## EXPERIENCE

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

**Mesh**                                                                   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