Vanshul Goyal

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EDUCATION

- **Punjab Engineering College, Chandigarh** — Chandigarh, India
  B-Tech in Electronics and Communication Engineering | CGPA: 8.2/10 — *Dec 2021 - May 2025*
  - *Minor specialization in Computer Science and Engineering*

- **St. Vivekanand Lotus Valley Public School, Yamunanagar** — Haryana, India
  Senior Secondary; Percentage: 87% — *Apr 2019 - May 2021*

EXPERIENCE

- **zHealth EHR** — **California, US (Remote)**
  Software Engineering Intern — JAVA, Springboot, Javascript, MySQL — **Jan 2024 - Dec 2024**
  - Developed a fully automated sign-up process for healthcare providers, integrating account setup, payment selections, signing agreements and streamlined monthly/yearly membership workflows.
  - Developed a full-stack email editor for the platform, enabling 1500+ Healthcare Organizations to create and send attractive marketing emails to over 2M patients using a user-friendly drag-and-drop interface
  - Engineered custom interfaces for over 50 Healthcare Organizations, enabling them to securely store and manage Patient Health Records in digital format complying with healthcare standards and regulations
  - Implemented a dedicated website for the sales team to effectively showcase the zHealth platform during pitches. Integrated special features and a separate database, boosting their efficiency by 30%

- **NASA Space Apps Collective** — **Global (Remote)**
  Global Community Member — Data Analytics — **Jul 2023 - Jul 2024**
  - Utilized NASA's Open Data to develop solutions benefiting local communities. Selected among the 30 global space leaders for the pilot program in 2023, themed 'Building an Inclusive Global Space Community'
  - Collaborated with a diverse global team to design visualizations for Zimbabwean farming communities to understand weather patterns, incorporating constant feedback to meet their needs effectively

ACADEMIC PROJECTS

- **Team Lead, NASA Human Exploration Rover Challenge, 2023**:
  - Led the team to build a human-powered rover, achieving a top 20 global ranking in HERC 2023, held in Huntsville, AL, USA
  - Engaged and inspired 12k+ students through STEM activities in schools and colleges, securing government approval
  - Secured sponsorship worth $30k from government and private sources to fund manufacturing and transportation expenses

SKILLS SUMMARY

- **Languages**: Java, Javascript, MySQL, Python, CSS
- **Framework/Libraries**: Spring Boot, MERN Stack, GrapeJS, Bootstrap
- **Tools**: IntelliJ, Spring Tool Suite, Jira, Git
- **Others**: Communication and Public Speaking

HONORS AND ACHIEVEMENTS

- Haryana State Talent Search Scholar, awarded by the state of Haryana. (HSTSE, 2018)
- Selected among the top 30 students in RMO and qualified for the Indian Mathematics Olympiad (InMO, 2019)
- Secured 98.6 Percentile in the Joint Entrance Examination (JEE Mains, 2021)

EXTRA-CURRICULAR

- Won a District-Level and 3 State-Level tournaments in Cricket, Baseball, and Softball
- Led Shamrock House to 1st place in the school cricket tournament as the team captain